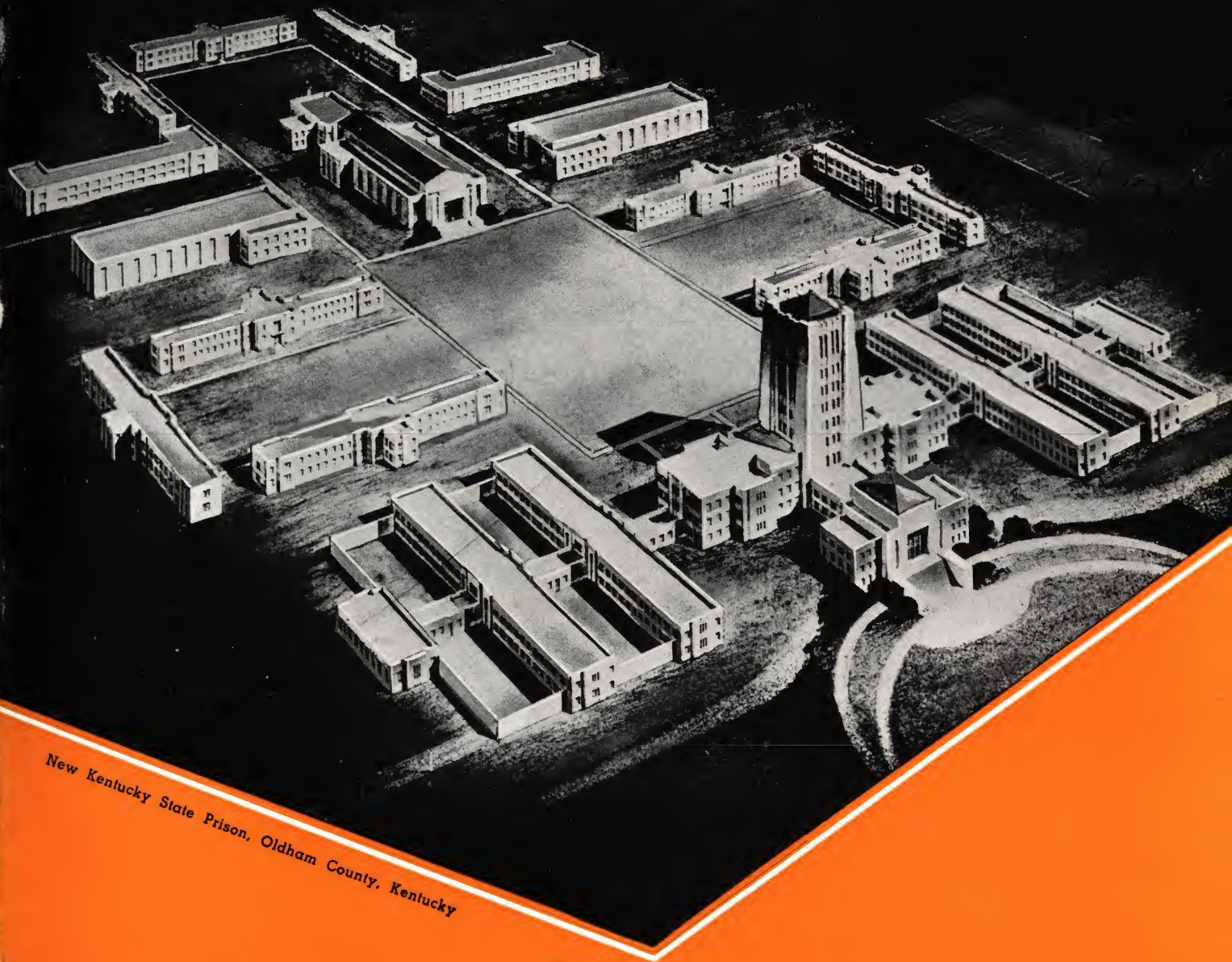


BAYLEY



New Kentucky State Prison, Oldham County, Kentucky

**STEEL WINDOWS • STEEL DOORS
AND OPERATORS**

THE WILLIAM BAYLEY COMPANY

FOUNDED 1881

FOR fifty-seven years the William Bayley Company has enjoyed the reputation of producing the finest types of metal products. Those years of experience and that reputation provide the strongest possible incentive to the men and management of the modern Bayley organization to maintain the highest standards and produce the best possible windows, doors and operators. A continuous flow of Bayley patents throughout these years indicates the progressiveness of the Bayley Company and forecasts continual leadership.

The features of Bayley Products are built around fundamentals that prompt the most advanced methods of mechanical jointing, riveting, welding, pressing and finishing. Steel, wrought iron, bronze and aluminum are used extensively and all materials, design, workmanship and finish are those best suited to the service requirements of the product.

Bayley engineers will welcome an opportunity to co-operate with architects, engineers and contractors in designing, selecting and specifying windows, doors and operators. The table below indicates the scope of Bayley Products and serves as a guide to the recommended uses of each.

BAYLEY PRODUCTS

PRODUCT	RECOMMENDED USES	PAGES
PIVOTED WINDOWS	Sidewalls of factories, warehouses, garages, lofts and industrial buildings. Sides of monitors and vertical sawtooth construction. Available in steel, wrought iron and aluminum.	3 to 7
PIVOTED WINDOWS— Screened	Same uses as above and elsewhere, when conditions demand insect protection as in bakeries, packing plants, laboratories, printing plants, power houses. Steel or wrought iron.	8-9 (5, 6 and 7)
PROJECTED WINDOWS COMMERCIAL — Screened	For garages, lofts, storage and industrial buildings. Steel, wrought iron or aluminum.	10-11 (5 and 7)
PROJECTED WINDOWS ARCHITECTURAL — Screened	For schools, clubs, offices, public and monumental buildings. Steel or steel hot dip galvanized.	12-13
DETENTION AND PRO- TECTION WINDOWS	Originated by Bayley. Six types to meet all conditions. For complete description of each type refer to Pgs.	14 to 18
CASEMENTS — Series 30 Inswing, Outswing, Pro- jected and Combination Types	For residences, offices and monumental buildings. Various combinations to meet specific requirements. Steel, bronze or aluminum.	26 to 29
UTILITY WINDOWS	Companion product to Pivoted and Projected Windows. Used on lot lines. May be screened, steel or wrought iron.	19
BASEMENT WINDOWS	Residences and all places where a small economical steel window is needed.	19
ECONOMY INSERTS	Used in concrete construction. Provide mastic sealed recesses for steel windows.	19
CONTINUOUS WIN- DOWS AND OPER- ATORS	For monitors and sawtooth roof construction. Steel in 3, 4, 5, 6 foot heights.	24-25
MECHANICAL OPERATORS	For sidewall and continuous windows. Formerly made by the Metallic Sash Operator Co. of St. Louis, acquired outright by Bayley, now manufactured at Springfield, Ohio, offered with or without window products.	25
DOORS, Industrial Tubular, Structural Airplane Hangar	For all purposes. Hinged, sliding, rolling, folding, canopy, bifold, vertical lift and overhead. In tubular or structural steel. Complete with Bayley hardware. Airplane Hangar door shown in separate catalog.	20-23
UNDERWRITERS' LABELS	Available with pivoted, pivoted windows screened, projected commercial and architectural, protection, and security windows.	19

DESIGNED primarily for use in the sidewalls of factories, warehouses, garages, lofts, power houses and similar types of industrial buildings Bayley Pivoted Windows may also be advantageously used in the sides of monitors and in vertical sawtooth construction.

Materials and Features

PIVOTED WINDOWS are of new billet mild steel, wrought iron, or aluminum sections designed for permanence, low cost maintenance and easy fabrication. Their flat surfaces are easily painted and have no sharp edges to encourage corrosion. The deep angle frame is of a size sufficient to provide $\frac{1}{2}$ " engagement at head, jambs and sill in all wall constructions. Basic glass size is 12 x 18" and 14 x 20". Glass in ventilator is trimmed 1" at perimeter.

INTERIOR BAR IS T SHAPED, a characteristic Bayley section, and has a flange containing no greater amount of metal than its web and a depth of $1\frac{1}{2}$ ". This dimension in Bayley windows is the basis of exclusive features such as screening, double glazing, hardware, etc. It provides for a tenon of extra size which makes a tight and permanent joint. It allows space for bed and face putty and either $\frac{1}{8}$ " or $\frac{1}{4}$ " glass.

INTERSECTION OF INTERIOR bars is accomplished by threading the vertical through horizontal bar. Horizontal bar is punched in web. Vertical bar is punched in flange. After assembly, a wedge is driven at intersection, making entire construction rigid. Bars are not bent or manipulated in assembly. This construction provides strength almost equal to the original bar. Disinterested, exhaustive laboratory and usage tests prove this construction withstands high wind pressure without permanent deflection.

WEATHERING AT HINGE is provided by lapping upper weathering on ventilator over lower weathering on fixed portion of window. Ventilator contacts are close fitting. Vertical contacts are cold rolled. Horizontal contacts are one-piece rolled sections integral to ventilator and unit and are $1\frac{5}{8}$ " deep.

HINGE PIVOT is 3" above center of ventilator. It is contained within contact members and does not project beyond faces of window, a protection against damage in shipment. Hinge may be adjusted by regulating two substantial bolts.

Use wrought iron or hot dip galvanized on steel, or even hot dip galvanized on wrought iron where excessive corrosion hazards exist. Much of the above directly refers to horizontal pivoted windows. Slight modifications cover other methods of ventilating, including vertically center pivoted, bottom and top pivoted, and camber and semi-circular units. Double glazing, underwriters labelled units, and vertical and horizontal mullions apply alike to all windows mentioned in this paragraph.

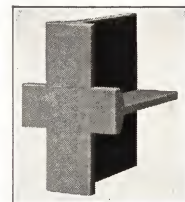
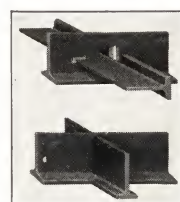
For Underwriters and Double Glazed Pivoted Windows See Page 19

HARDWARE

For industrial windows is Bayley design and manufacture. Heavy pressed steel and Malleable iron is generally used. Cams are cast malleable. Center pivoted ventilators may have lock bars, catch and chain, corner cams with push bar, or chain cams.



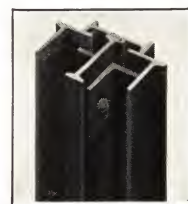
PIVOTED WINDOW WITH LOCK BAR



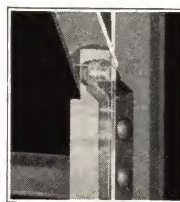
INTERSECTION OF INTERIOR BARS



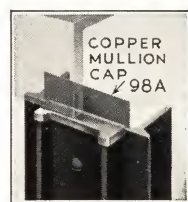
M MULLION



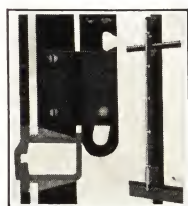
T MULLION



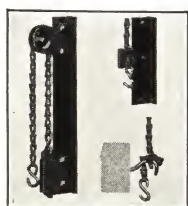
CONCEALED HINGE



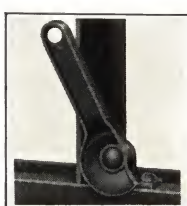
MULLION CAP 98A



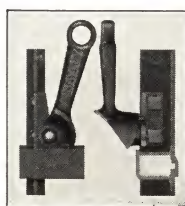
LOCK BAR F



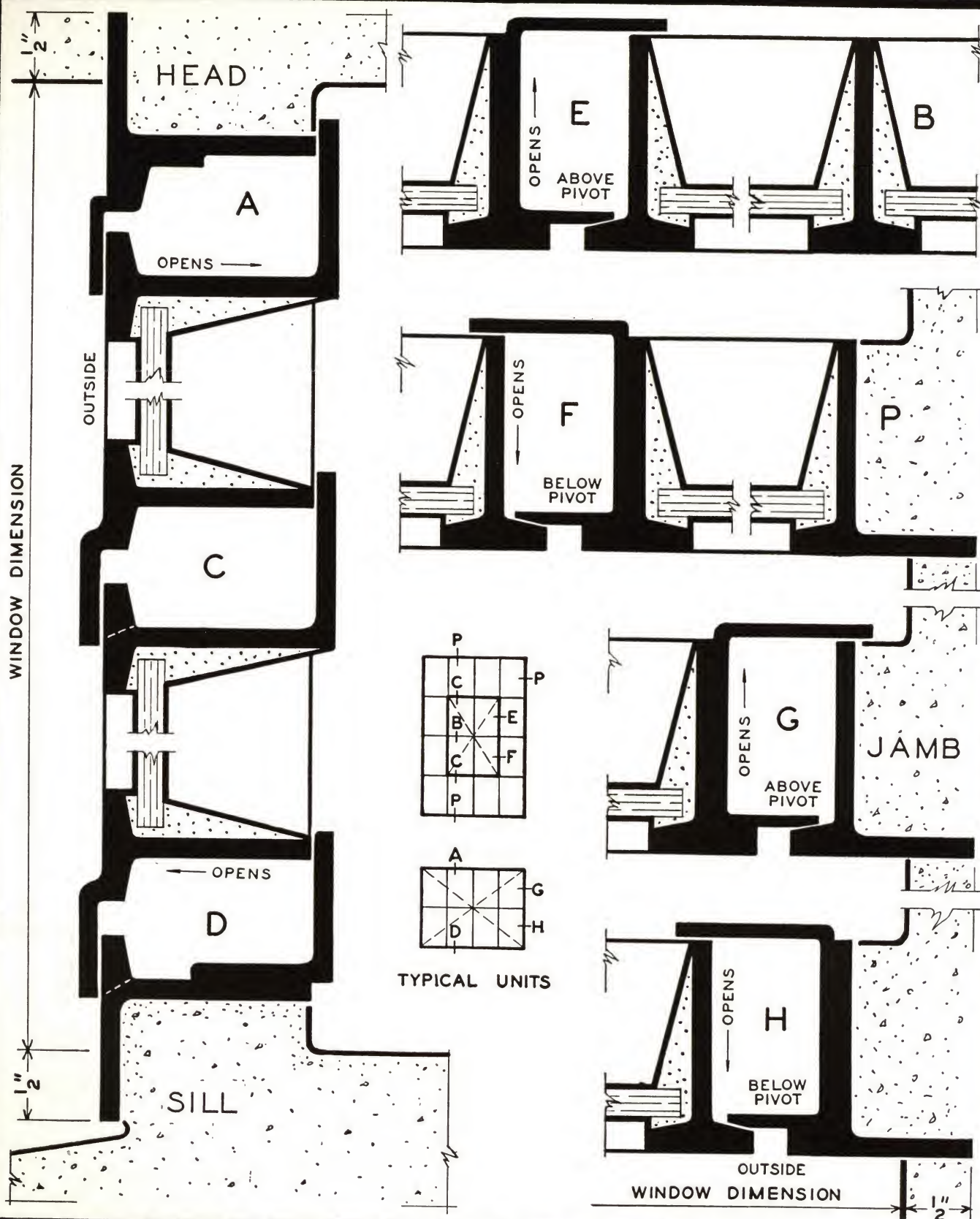
CHAIN SET N



CAM H



CAM H15

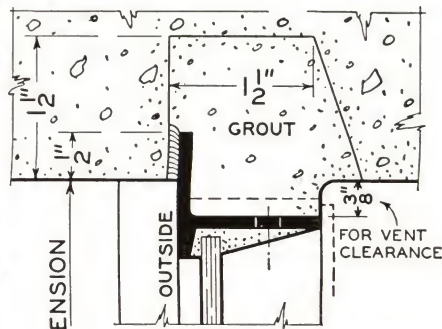


HORIZONTALLY PIVOTED WINDOWS 240

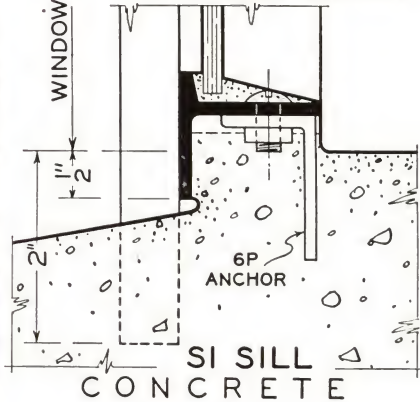
THE WILLIAM BAYLEY CO.

SPRINGFIELD, OHIO.

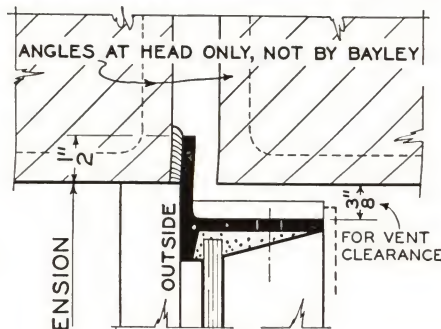
FULL SIZE



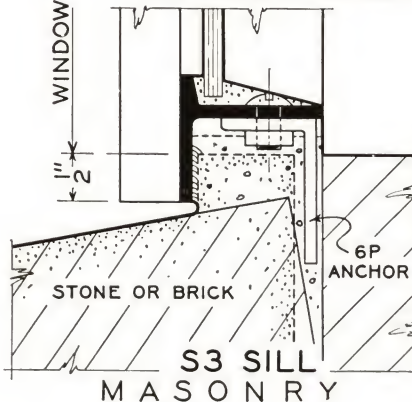
H1 HEAD;
J1 JAMB SIMILAR



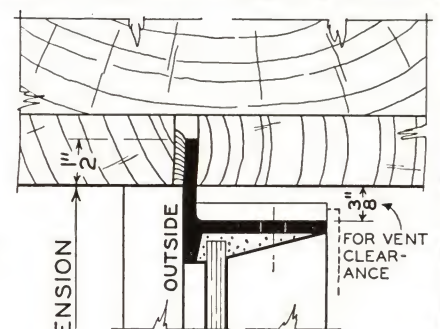
S1 SILL
CONCRETE



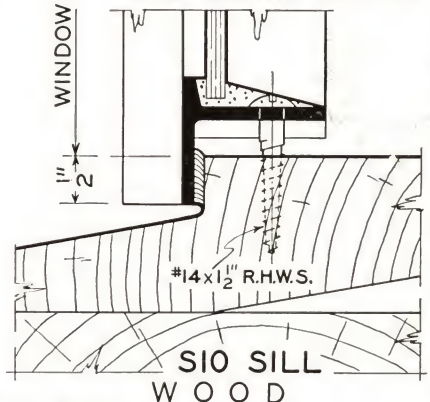
H3 HEAD;
J3 JAMB SIMILAR



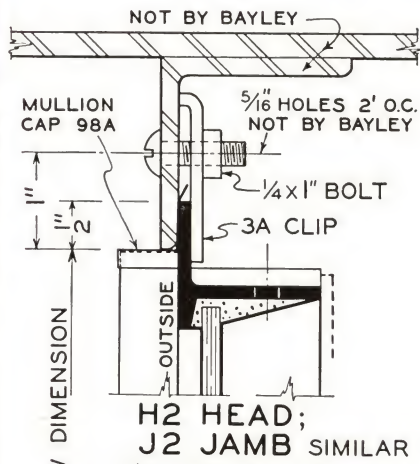
S3 SILL
MASONRY



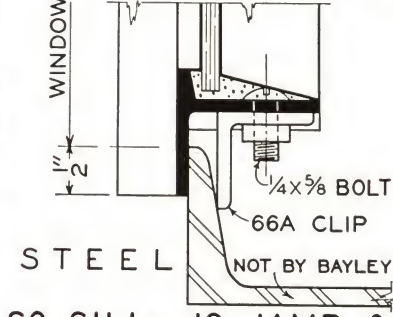
H10 HEAD;
J10 JAMB SIMILAR



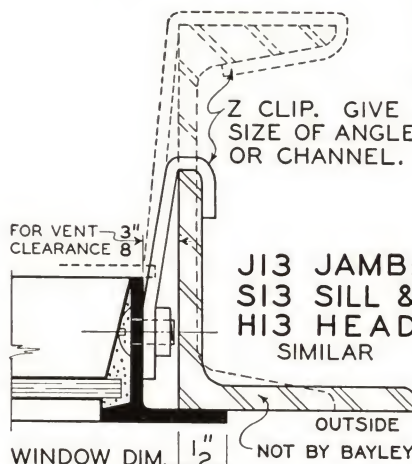
S10 SILL
WOOD



H2 HEAD;
J2 JAMB SIMILAR

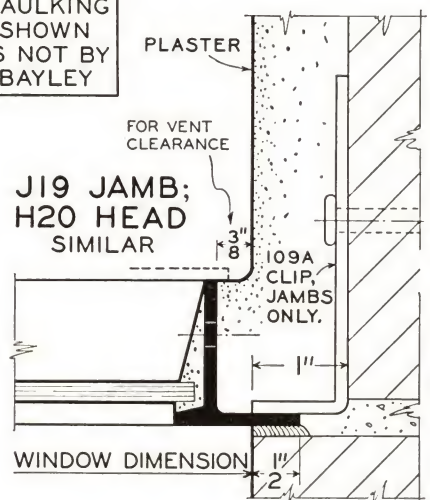


S9 SILL; J9 JAMB &
H9 HEAD SIMILAR

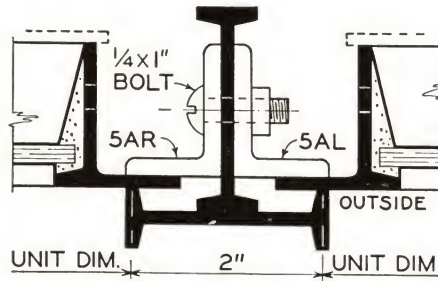


J13 JAMB;
S13 SILL &
H13 HEAD
SIMILAR

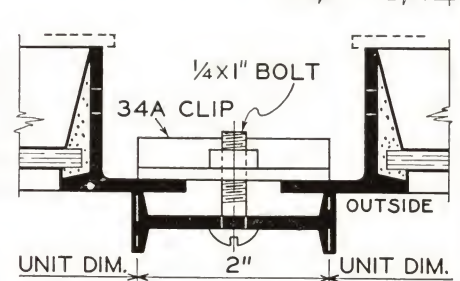
CAULKING
SHOWN
IS NOT BY
BAYLEY



J19 JAMB;
H20 HEAD
SIMILAR



T MULLION
HEIGHT LIMIT 13'-2"



M MULLION
HEIGHT LIMIT 8'-7"

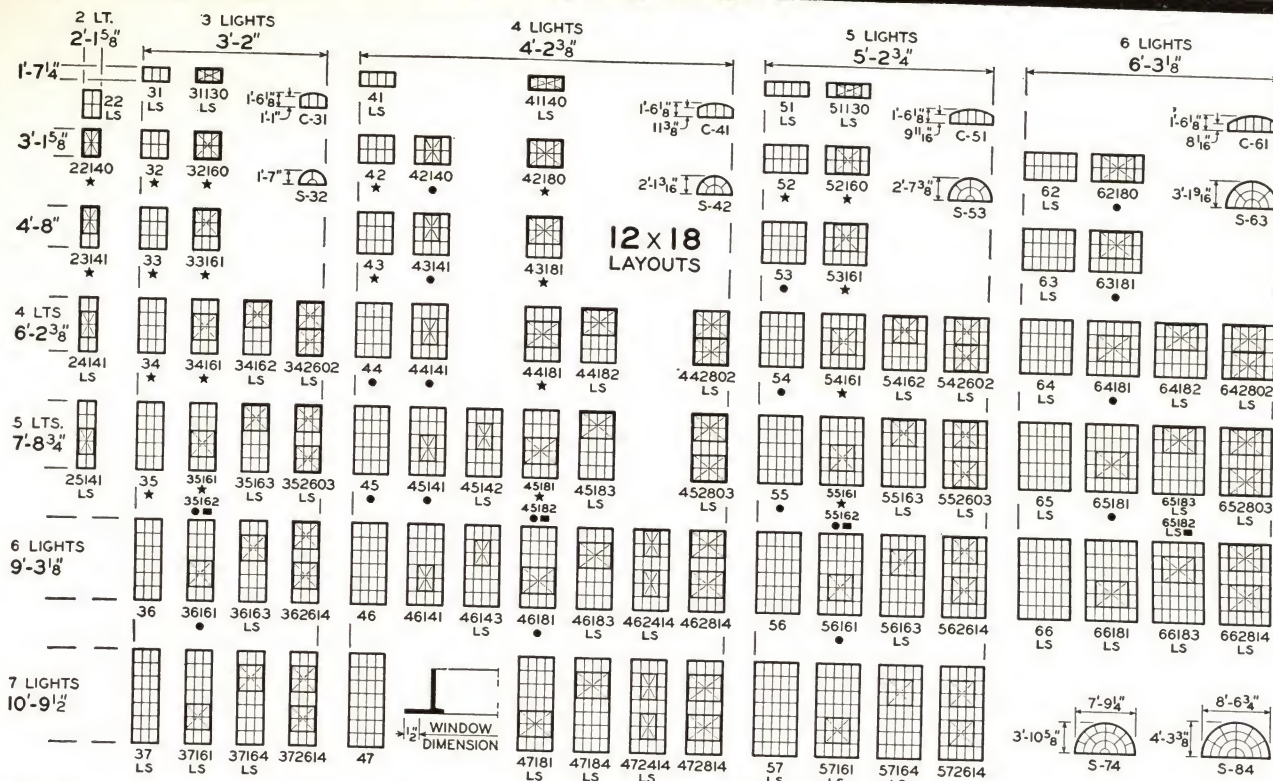
INSTALLATION DETAILS

THE WILLIAM BAYLEY CO.

SPRINGFIELD, OHIO.

330
HALF SIZE

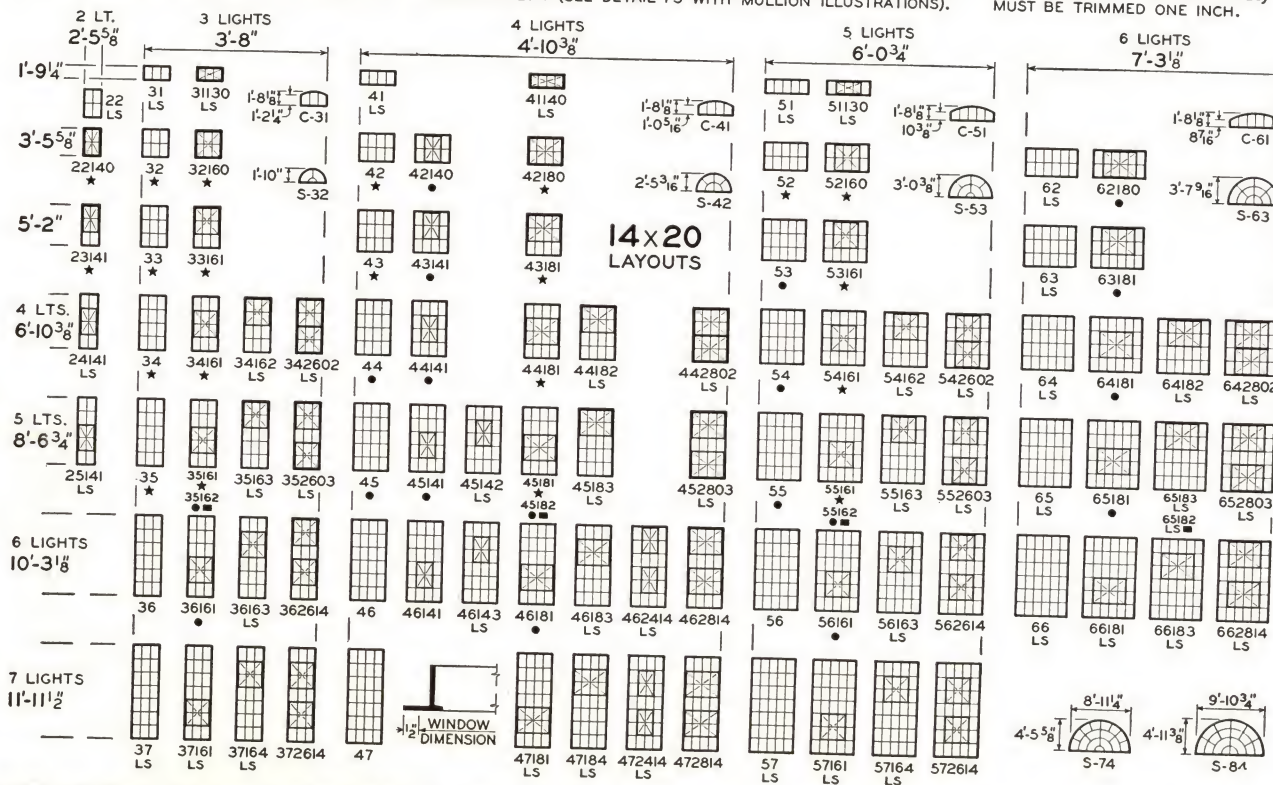
This Plate Applies to Pivoted Windows, Pivoted Windows Screened, and Projected Windows Commercial



* = STOCKED AT WAREHOUSE;
• = PARTS STOCKED AT FACTORY;
UNMARKED = STANDARDS; LS = LISTED SPECIALS.
■ = VENT LOCATED TWO LIGHTS UP FROM SILL.

SEMI-CIRCULAR UNIT RADIUS = 1/2 WIDTH; CAMBER HEAD RADIUS = WIDTH.
UNITS S-74 & S-84 REQUIRE HORIZONTAL MULLION BELOW; ALL OTHER
SEMI-CIRCULAR AND CAMBER HEAD UNITS MAY BE ATTACHED DIRECT
TO UNITS BELOW (SEE DETAIL F3 WITH MULLION ILLUSTRATIONS).

GLASS SIZES GIVEN ARE FOR FIXED
PORTION. GLASS IN VENTS AT EDGES
(TOP, BOTTOM, AND BOTH SIDES)
MUST BE TRIMMED ONE INCH.



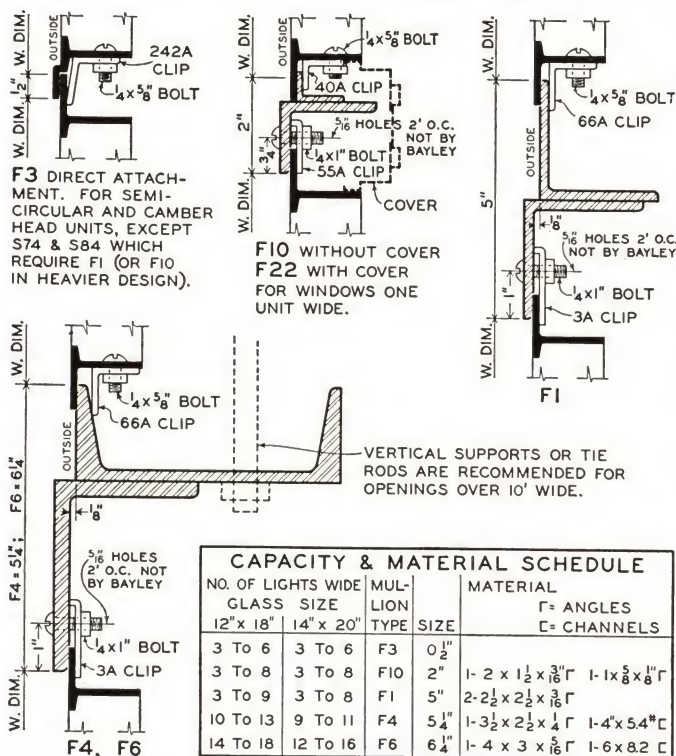
HORIZONTALLY PIVOTED WINDOWS

THE WILLIAM BAYLEY CO.

SPRINGFIELD, OHIO.

331

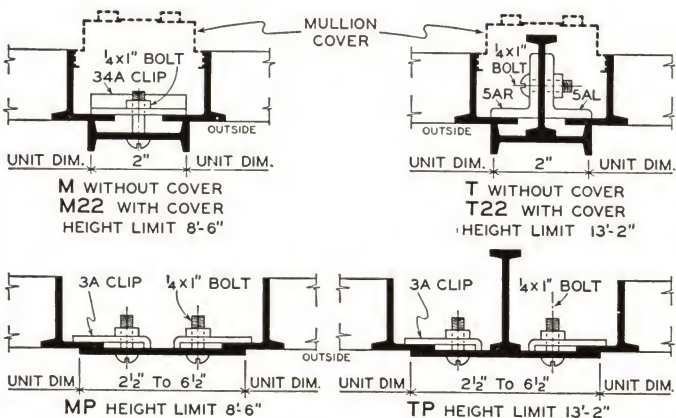
The Above Layouts Also Apply to Pivoted Windows Screened, Shown on Pages 8 and 9



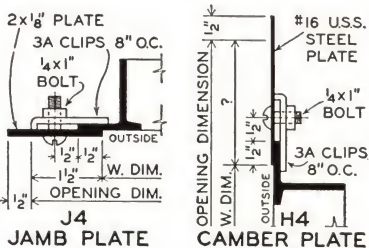
CAPACITY & MATERIAL SCHEDULE					
NO. OF LIGHTS WIDE		MULLION	TYPE	MATERIAL	
GLASS SIZE	GLASS SIZE			SIZE	Γ = ANGLES C = CHANNELS
12" x 18"	14" x 20"				
3 To 6	3 To 6	F3	0 1/2"	1-2 x 1 1/2 x 3/8 Γ	1-1 x 3/8 x 8 Γ
3 To 8	3 To 8	F10	2"	2-2 1/2 x 2 1/2 x 1/8 Γ	
3 To 9	3 To 8	F1	5"	1-3 1/2 x 2 1/2 x 1/4 Γ	1-4" x 5/4" C
10 To 13	9 To 11	F4	5 1/4"	1-4 x 3 x 5/8 Γ	1-6 x 8.2 C
14 To 18	12 To 16	F6	6 1/4"		

HORIZONTAL MULLIONS

SHOULD EXTEND 4" INTO EACH MASONRY JAMB FOR ANCHORAGE

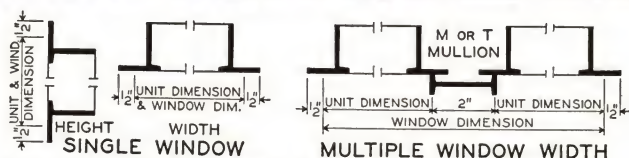


VERTICAL MULLIONS



12	11	12	11	12	14	13	14	13	14
18	17	17	17	18	20	19	19	19	20
12	11	12	11	12	14	13	14	13	14
18	17	17	17	18	20	19	19	19	20
12	11	12	11	12	14	13	14	13	14
18	17	17	17	18	20	19	19	19	20
12	11	12	11	12	14	13	14	13	14
18	17	17	17	18	20	19	19	19	20

12"x18" AND 14"x20" GLASS OCCUR ONLY IN FIXED PORTION. GLASS IN VENTS AT EDGES (TOP, BOTTOM, & BOTH SIDES) MUST BE TRIMMED ONE INCH.



Combine 12" widths with 18" heights, & 14" widths with 20" heights.

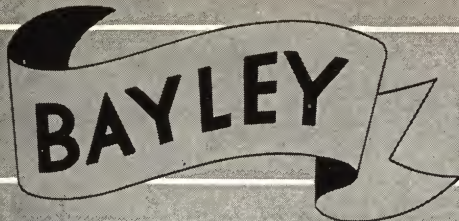
12" x 18" Glass	14" x 20" Glass	No. of Lights	Arrangement of Units	No. of Units	No. of 2" Mullions
SINGLE WINDOW HEIGHTS					
1' 7 1/4"	1' 9 1/4"	1		1	
3' 1 5/8"	3' 5 5/8"	2		1	
4' 8"	5' 2"	3		1	
6' 2 3/8"	6' 10 3/8"	4		1	
7' 8 3/4"	8' 6 3/4"	5		1	
9' 3 1/8"	10' 3 1/8"	6		1	
10' 9 1/2"	11' 11 1/2"	7		1	
SINGLE WINDOW WIDTHS					
1' 1 1/4"	1' 3 1/4"	1		1	
2' 1 5/8"	2' 5 5/8"	2		1	
3' 2"	3' 8"	3		1	
4' 2 3/8"	4' 10 3/8"	4		1	
5' 2 3/4"	6' 0 3/4"	5		1	
6' 3 1/8"	7' 3 1/8"	6		1	
MULTIPLE WINDOW WIDTHS					
4' 5 1/4"	5' 1 1/4"	4	2-2	2	1
6' 6"	7' 6"	6	3-3	2	1
7' 6 3/8"	8' 8 3/8"	7	4-3	2	1
7' 9 1/4"	8' 11 1/4"	7	2-3-2	3	2
8' 6 3/4"	9' 10 3/4"	8	4-4	2	1
8' 9 5/8"	10' 1 5/8"	8	3-2-3	3	2
9' 10"	11' 4"	9	3-3-3	3	2
10' 7 1/2"	12' 3 1/2"	10	5-5	2	1
10' 10 3/8"	12' 6 3/8"	10	3-4-3	3	2
11' 10 3/4"	13' 8 3/4"	11	3-5-3	3	2
11' 10 3/4"	13' 8 3/4"	11	4-3-4	3	2
12' 8 1/4"	14' 8 1/4"	12	6-6	2	1
12' 11 1/8"	14' 11 1/8"	12	4-4-4	3	2
13' 2"	15' 2"	12	3-3-3-3	4	3
13' 11 1/2"	16' 1 1/2"	13	4-5-4	3	2
13' 11 1/2"	16' 1 1/2"	13	5-3-5	3	2
14' 11 7/8"	17' 3 7/8"	14	4-6-4	3	2
14' 11 7/8"	17' 3 7/8"	14	5-4-5	3	2
15' 2 3/4"	17' 6 3/4"	14	3-4-4-3	4	3
16' 0 1/4"	18' 6 1/4"	15	5-5-5	3	2
16' 0 1/4"	18' 6 1/4"	15	6-3-6	3	2
16' 6"	19' 0"	15	3-3-3-3-3	5	4
17' 0 5/8"	19' 8 5/8"	16	5-6-5	3	2
17' 0 5/8"	19' 8 5/8"	16	6-4-6	3	2
17' 3 1/2"	19' 11 1/2"	16	4-4-4-4	4	3
17' 3 1/2"	19' 11 1/2"	16	3-5-5-3	4	3
17' 6 3/8"	20' 2 3/8"	16	3-3-4-3-3	5	4
18' 1"	20' 11"	17	6-5-6	3	2
18' 6 3/4"	21' 4 3/4"	17	3-4-3-4-3	5	4
19' 1 3/8"	22' 1 3/8"	18	6-6-6	3	2
19' 4 1/4"	22' 4 1/4"	18	4-5-5-4	4	3
19' 7 1/8"	22' 7 1/8"	18	3-4-4-4-3	5	4
20' 7 1/2"	23' 9 1/2"	19	4-4-3-4-4	5	4
20' 7 1/2"	23' 9 1/2"	19	3-5-3-5-3	5	4
21' 5"	24' 9"	20	5-5-5-5	4	3
21' 5"	24' 9"	20	4-6-6-4	4	3
21' 7 7/8"	24' 11 7/8"	20	4-4-4-4-4	5	4
22' 8 1/4"	26' 2 1/4"	21	3-5-5-5-3	5	4
22' 8 1/4"	26' 2 1/4"	21	4-4-5-4-4	5	4
23' 5 3/4"	27' 1 3/4"	22	5-6-6-5	4	3
23' 8 5/8"	27' 4 5/8"	22	4-5-4-5-4	5	4
23' 11 1/2"	27' 7 1/2"	22	3-4-4-4-4-3	6	5
24' 9"	28' 7"	23	4-5-5-5-4	5	4
25' 6 1/2"	29' 6 1/2"	24	6-6-6-6	4	3
25' 9 3/8"	29' 9 3/8"	24	5-5-4-5-5	5	4

MULLIONS, PLATES, & MULTIPLE WINDOWS 329

THE WILLIAM BAYLEY CO.

SPRINGFIELD, OHIO.

This Plate Applies to Pivoted Windows, Pivoted Windows Screened, and Projected Windows Commercial



PIVOTED WINDOWS Screened

FOR buildings requiring screen protection in addition to the advantages of pivoted windows. Bayley Pivoted Windows—Screened completely protect materials and processes in all kinds of manufacturing and distributing plants. They should not be confused with ordinary pivoted windows to which screens have been attached as an afterthought. This exclusive Bayley development is backed by thousands of successful installations for many particular owners. These windows are widely used in power houses, chemical plants, tanneries, textile mills and printing plants where protection to materials or machinery is desirable; also in bakeries, packing houses, restaurants, candy factories, hotel kitchens, dairies and other buildings where foods are prepared.

Materials and Features

This product is made with ventilators having industrial sections, (plate No. 292) available in steel or wrought iron, or Series 30 casement sections, (plate No. 313) available in steel. Both products may be hot dip galvanized. Ventilators and screens are built together but screens are removable.

STANDARD LAYOUTS AND SIZES are 12 x 18 and 14 x 20 inches. Opening dimensions match those of pivoted windows. Refer to Page 6 (Plate 331) for layouts except for one light high, where commercial projected in screened should be used.

SECTIONS duplicate those of standard pivoted windows except some are exclusive to this product. Horizontal muntin bar of ventilator is 1-13/16 inches deep and is shaped to provide continuous close fitting screen contacts, with ventilator in any position.

PIVOTS exclusive to this product are located at exact center of ventilator.

FRICTION ADJUSTERS of non-corrosive metal hold ventilator securely in any position. They are attached within the weathering at each side, properly adjusted in manufacture and protected during shipment and erection.

POLE CATCH H112 IS OF MALLEABLE IRON in cadmium plated finish. Cam H113, optional.

SCREENS made by the William Bayley Co. are an integral part of window. They have solid steel frames in hot dip galvanized finish. Bronze screen cloth, 16 mesh, is standard. Screens are interchangeable and easily removed from inside for cleaning windows or for winter storage. Rewiring may be done by any mechanic without special tools.

GLAZING is with putty. Industrial section windows, glazed inside; series 30 glazed outside. Double glazing is an exclusive feature which may be specified in this as in other Bayley products. It is specially desirable where uniform temperature and humidity is necessary and where fuel saving is considered.



Pivoted
Window Screened Assembly



Ohio Edison Co. Mad River Plant

One dip coat of standard red oxide paint is applied to steel before shipment.

MECHANICAL OPERATORS of either manual or electric control may be used for ventilators in long lines and those out of reach.

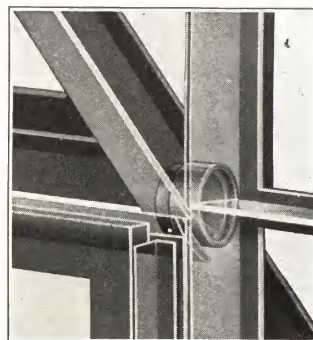
Bayley Pivoted Windows Screened keep out swarms of insects attracted by brilliantly lighted interiors of power houses, water works, and other plants engaged in day and night operation. Sensitive electrical equipment as well as intricate processes of water purification must have screen protection in order that public service may not be interrupted.



Pole Catch H 112



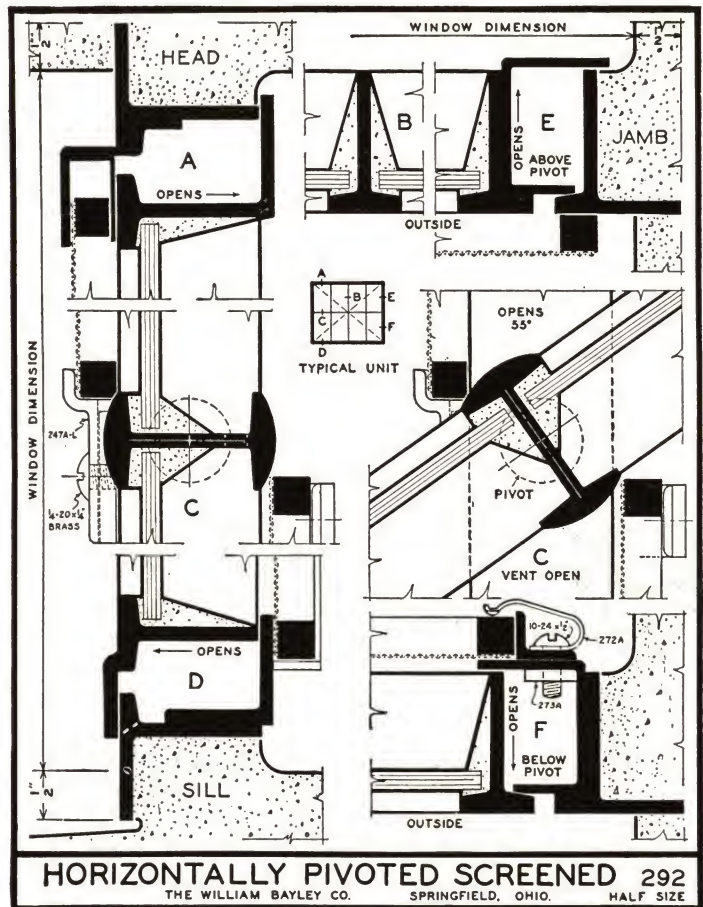
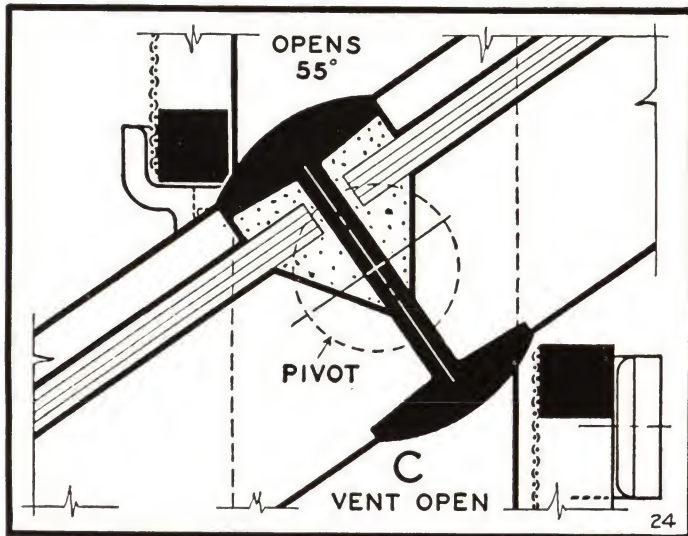
Three Rivers Filtration and Pumping Station, Ft. Wayne, Indiana



Center Rail and Pivot

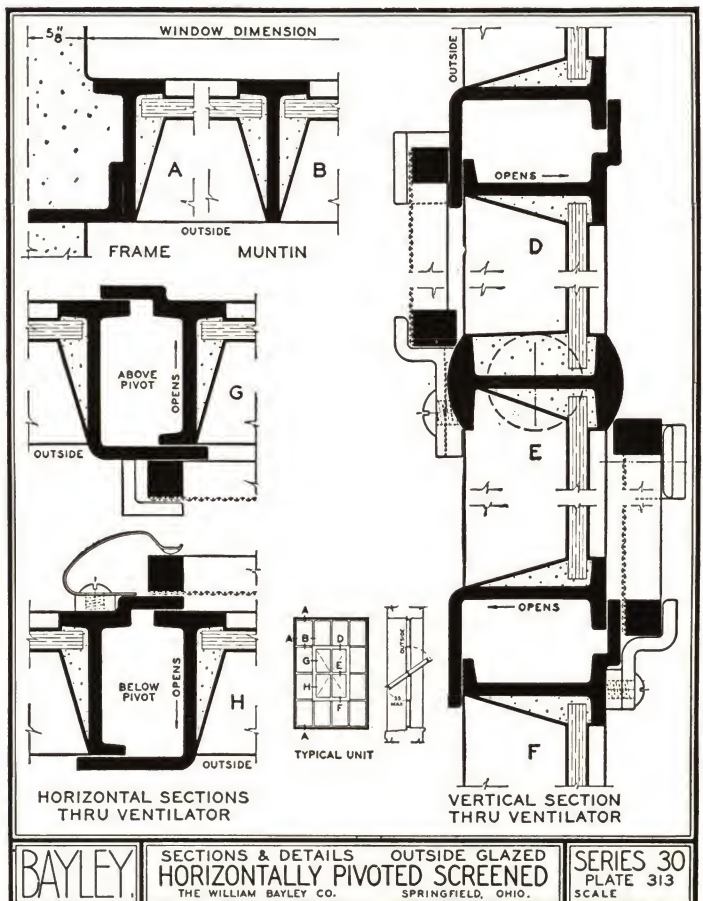
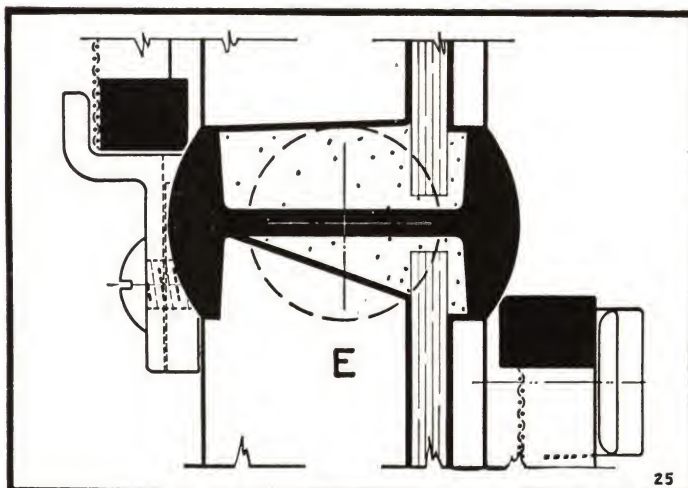
BAYLEY PIVOTED WINDOWS Screened INDUSTRIAL SECTIONS — GLAZED INSIDE—(Patented)

Bayley center rail contact and pivot arrangement with Fixed Flat screens is the key to these special "keep out insects" center pivoted ventilators. Illustrations show ventilators in the open and closed positions with horizontal screen frame members always in contact with curved center rail and the perimeter of the opening.

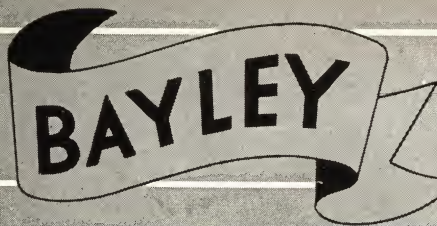


BAYLEY PIVOTED WINDOWS Screened SERIES 30 CASEMENT SECTIONS GLAZED OUTSIDE—(Patented)

The application of Series 30 casement sections to pivoted ventilators is another long step forward by Bayley. This product has sections $\frac{1}{8}$ " thick and carries casement workmanship which assure better weathering and permanency since the complete window unit is most rigid and less subject to corrosion.



See Pages 5, 6 and 7 for Layouts, Installation Details, Mullions and Multiple Windows.



PROJECTED WINDOWS Commercial Screened



Upper ventilator
projected out, screen inside

Lower ventilator
projected in, screen outside

BAYLEY PROJECTED WINDOWS COMMERCIAL Screened, Inside Glazed (Plate 223) are designed for garages, lofts, storage and industrial buildings; Outside Glazed (Plates 333 and 334) for schools, offices and better commercial buildings.

Materials and Features

The windows are manufactured in steel, or wrought iron and may also be hot dip galvanized.

INDUSTRIAL SECTIONS $1\frac{1}{2}$ " and $1\frac{5}{8}$ " deep arranged for inside putty glazing or for outside glazing upon request.

LAYOUTS are for basic glass sizes 12x18" and 14x20". Opening dimensions match those of pivoted windows.

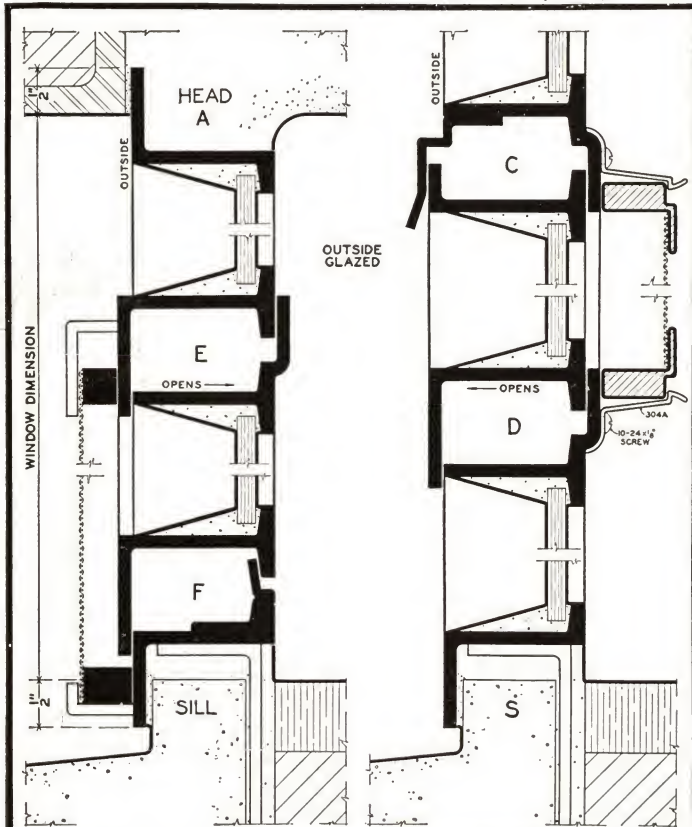
VENTILATORS and openings for ventilators have corners coped, tenoned and riveted, and welded where necessary for strength. Ventilators balance on heavy steel friction arms with friction increasing as the movement nears the closing point. They slide on bronze pivots; at top when

projected out, and at bottom when projected in.

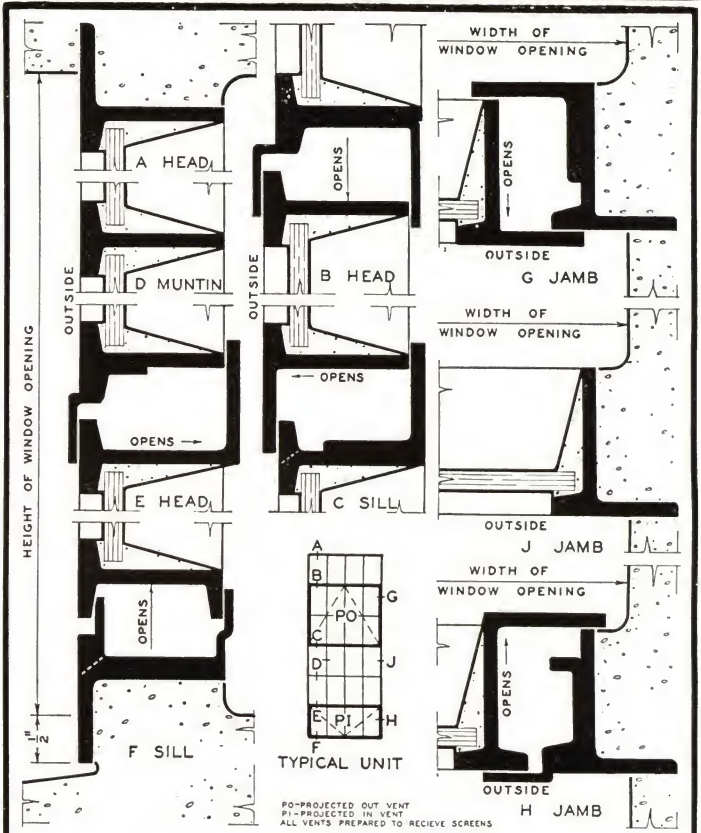
Awning-like protection during showers is a feature. Outside washing can be done from the inside when ventilators are open.

SCREENS fit flat against weathering. Bayley's section depth provides for secure attachment of hardware and its coverage by screens. All windows are prepared to receive screens $\frac{3}{8}$ " thick.

Available with underwriter's label and with double glazing.

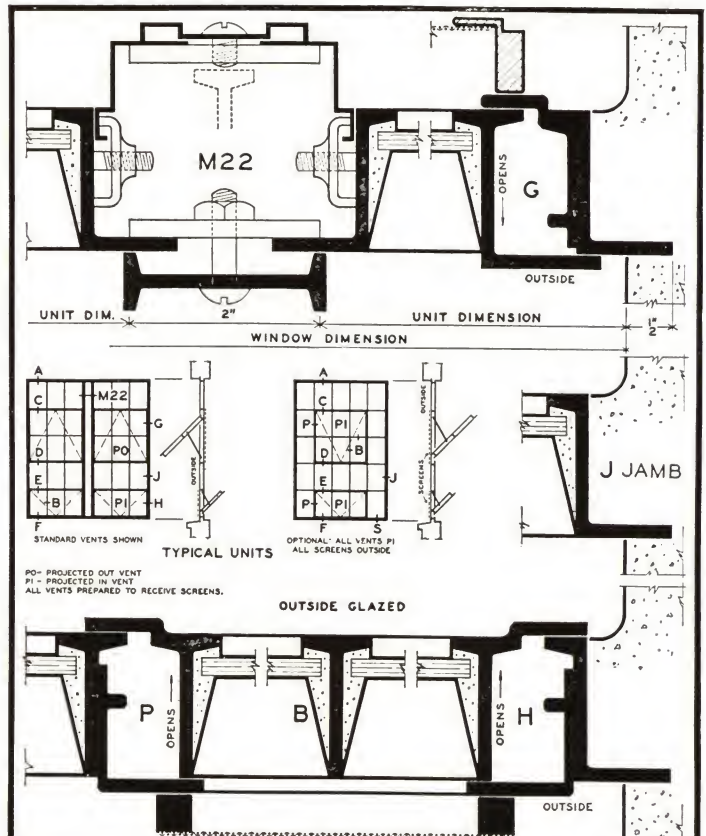


COMMERCIAL PROJECTED WINDOWS 333
THE WILLIAM BAYLEY CO. SPRINGFIELD, OHIO. HALF SIZE

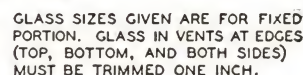


COMMERCIAL PROJECTED WINDOWS 223
THE WILLIAM BAYLEY CO. SPRINGFIELD, OHIO. HALF SIZE

Hardware for Commercial & Architectural Projected is the same design



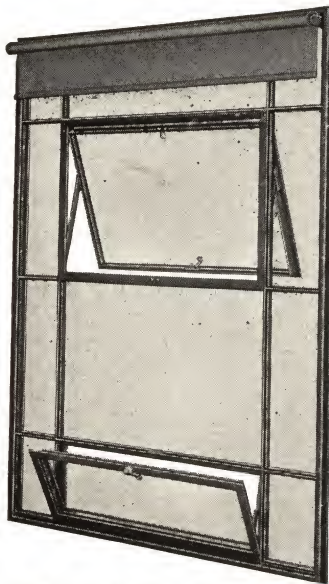
COMMERCIAL PROJECTED WINDOWS 334
THE WILLIAM BAYLEY CO. SPRINGFIELD, OHIO. HALF SIZE



11

BAYLEY

PROJECTED WINDOWS Architectural Screened



Projected Out Ventilator above permits use of screens and shades without interference

Projected In Ventilator below controls ventilation

Materials and Features

The windows are manufactured in steel, or steel hot dip galvanized. Ventilator sections, welding, weathering, and working parts are similar to those used in commercial projected but workmanship is stepped up for this more finished window.

SECTIONS 1½" and 1¾" deep enclosed within an outside frame of extra heavy deep flanged channel welded at corners. This increased width stiffens the product and improves appearance.

GLAZING is inside with bed putty and steel beads, or with putty, and outside with putty when requested.

HARDWARE is of heavy pressed steel, cast malleable and bronze. The cam so often found on Bayley windows is the most effective draw-up-tight attachment. As in all Bayley windows the depth of sections and their shape provides for secure fastening, another outstanding Bayley feature.

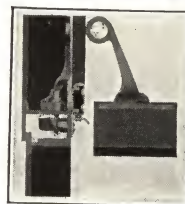
SCREENS manufactured by Bayley fit flat against the weathering and cover cam hardware.

Available with underwriter's label and with double glazing.

Recognizing value, careful designers rate this Bayley window as today's best buy, for they know the sections, workmanship, and trim, place its usefulness equal to that of more expensive products.



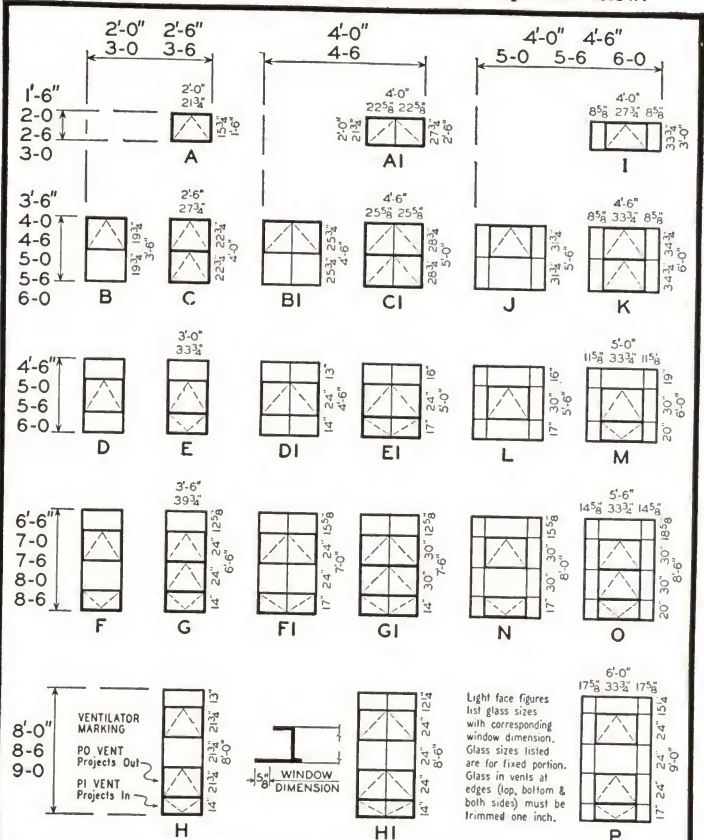
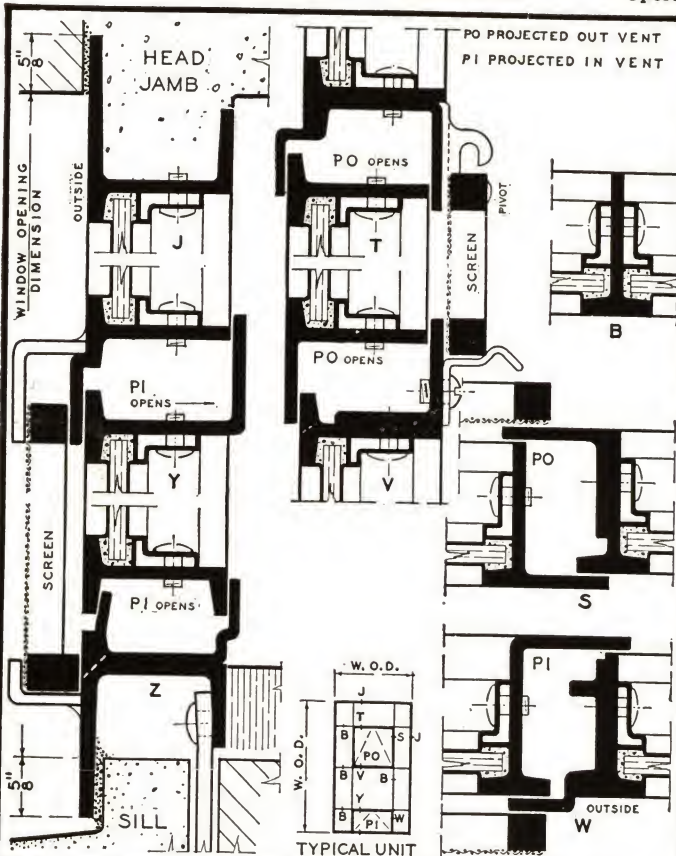
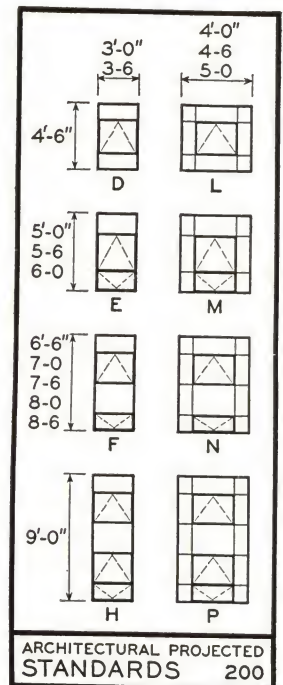
H113 Cam for Projected In Vents Within Reach



H20 Cam for Projected Out Located Within Ventilator Operates Through Sill



H112 Pole Catch for Projected In Vents Out of Reach

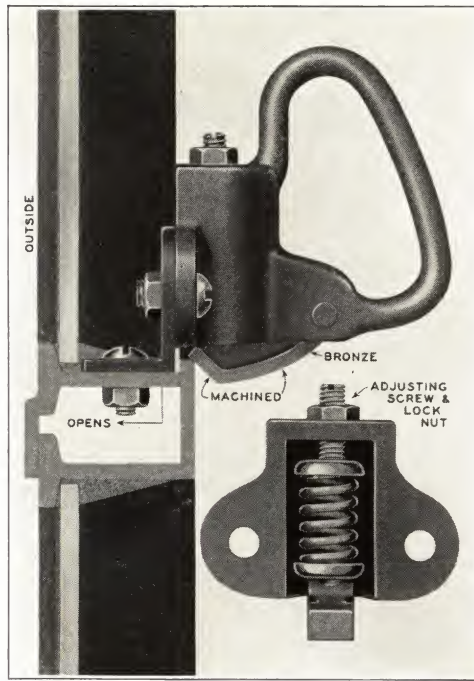


Inside Glazed (Flat Surface Outside).

Layouts are for Inside or Outside Glazed.

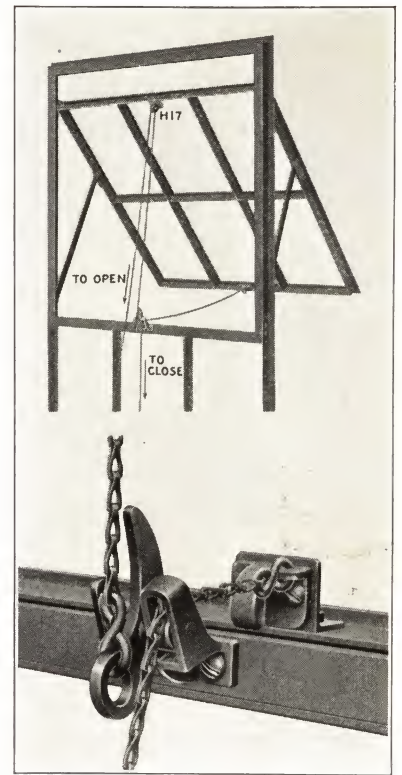


Bronze handle H126 for Projected Out and H127 for Projected In ventilators, when windows are glazed from inside. Bronze handle H128 for Projected Out and H129 for Projected In ventilators when windows are glazed from outside.

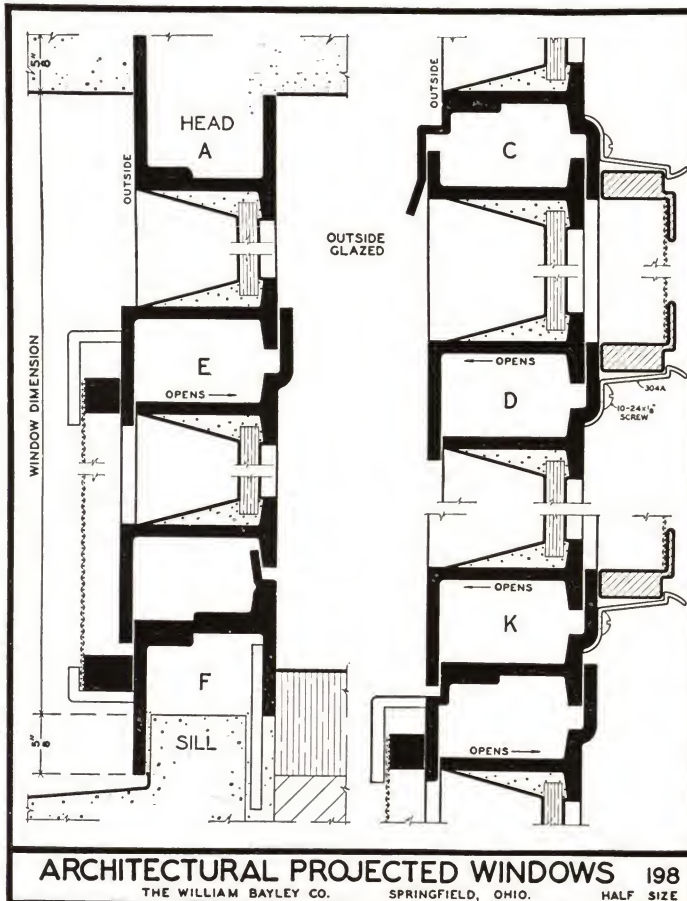


PRESSURE RELEASE LATCH H64

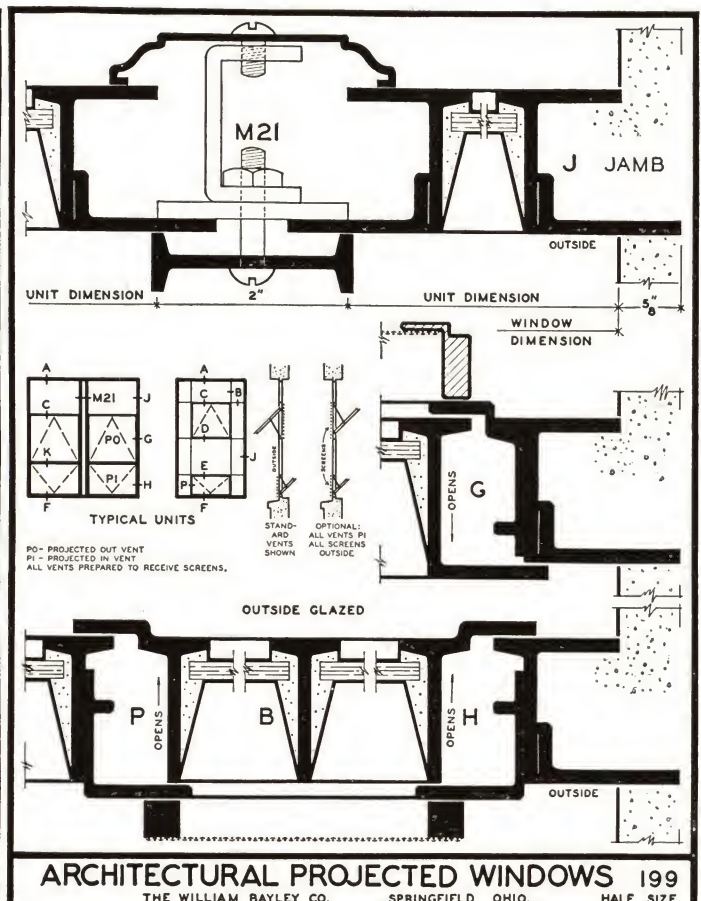
Developed by Bayley for use on Projected Out-swinging and also ventilators pivoted horizontally near top, to release ventilators and relieve pressure caused by explosion. May be adjusted to release at any pressure. H64 Pressure Release Latch is approved by the Underwriters' Laboratories Inc., Chicago, and by the Associated Factory Mutual Fire Insurance Companies, Boston, as a means of holding ventilators closed for fire protection and prevention.



Chain Catch H121 for operating Projected Out ventilators which are out of reach of floor. May be chain or pole operated. Mechanical Operators are recommended for groups of ventilators in long lines or when they are high above the floor.



ARCHITECTURAL PROJECTED WINDOWS 198
THE WILLIAM BAYLEY CO. SPRINGFIELD, OHIO. HALF SIZE



ARCHITECTURAL PROJECTED WINDOWS 199
THE WILLIAM BAYLEY CO. SPRINGFIELD, OHIO. HALF SIZE

Plates 198 and 199 Above Show Outside Putty Glazed (Flat Surface Inside)

BAYLEY

DETENTION WINDOWS Screened



Bayley Detention Windows—Screened—as shown and described on this and the following pages were originated by Bayley. Their adoption by Federal, State, County and Municipal authorities, and the thousands of these windows which have been installed prove the suitability of the design and construction to meet all requirements for detention.

Not only do GUARD WINDOWS provide protection, but they also discourage tampering with the ventilators. Even if the ventilators are damaged or completely removed the detention value of the window is in no way impaired. It is the only window wherein the factor of security remains constant irrespective of the location or number of ventilators used.

These Detention Windows consist of three parts, namely: the guard for detention, the ventilator and the screen. The construction and assembly of these parts is described as follows:

The Bayley GUARD is composed of horizontal and vertical bars continuous between jambs and from head to sill, interlocked mechanically and deep welded at intersections. The BAYLEY GUARD is made in three weights of bars:

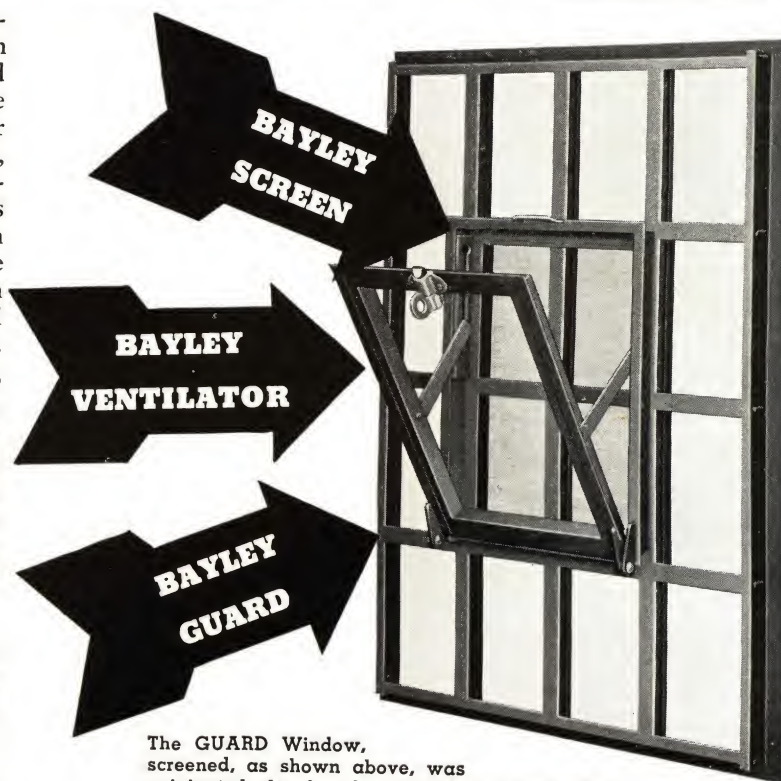
Bayley SUPER-SAFE-BARS, For Maximum Detention.

Bayley SUPER-BARS, For Medium Detention.

Bayley INTER-BARS, For Moderate Detention.

Bars are shaped and spaced for glass approximately 6"x9" for outside putty glazing. Spaces in guard covered by ventilators are not glazed.

Bayley VENTILATORS, of Series 30 casement sections 15/8" deep, are super-imposed on each guard. Each is a frame and movable section fabricated separately from the guard, and complete within itself. Ventilators are outside putty glazed. Maximum size of lights in ventilators must not exceed an area equivalent to ten lights, 6"x9".



The GUARD Window, screened, as shown above, was originated, developed and perfected by Bayley

Ventilators which swing in at the top from heavy hinges welded to bottom corners of frame and ventilator are standard construction and are recommended. The less rigid projected in movement may be substituted if desired. Heavy side friction stays 1"x1/4", the minimum essential for prison usage, fold within the weathering.

Bayley SCREENS have solid steel hot galvanized frames butt welded at corners. Bronze or stainless steel insect cloth is securely fastened. Rewiring requires no special tools. Screens are placed between the ventilator and the grille.

Variations can be made in Bayley Detention Windows to meet individual problems. Specifications will be carefully observed.

ORIGINAL BAYLEY FEATURES

Specifications--

Welds on Guard Portion are not dressed flush except on surfaces where screen frames and the supporting frames of ventilators contact the guard portion, when ventilators are located as indicated on the plans. Guard portion permits the attachment of additional ventilators or the relocation of indicated ventilators.

The Supporting Frames of Ventilators attach to the guard portion in the field after the guard portion has

been set and provide for later removal for repairs or replacement, or for relocating on the guard portion. The bottom member of the supporting frame overlaps the horizontal guard member to form an outside drip.

Ventilators Attach to the guard portion by interlocking and overlapping the bottom frame member with the horizontal guard member and the top rail of each supporting frame clamped to the guard portion by special bolts.

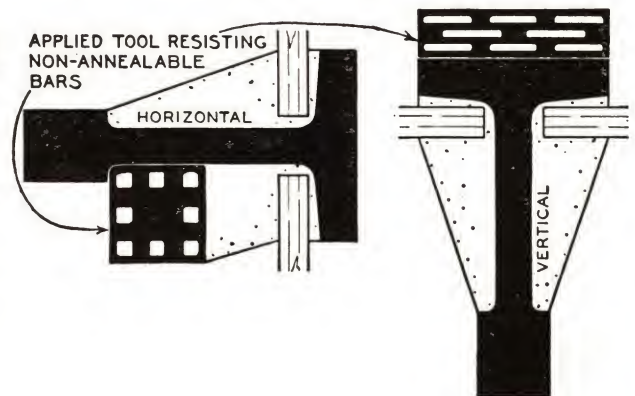
Ventilator Supporting Frames are of solid hot rolled

Shown Below are Three Kinds of Bars Used in BAYLEY GUARD WINDOWS—Full Size

BAYLEY SUPER-SAFE-BARS

For Maximum Detention

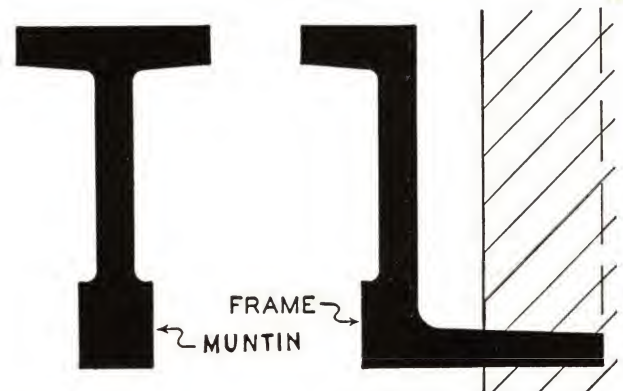
Bayley Super-Safe Bars include reinforcing with continuous non-machined tool resisting members which are interlocked with and welded to the Bayley super-bar. This construction combines the highest development of structural strength with tool resisting non-annealable features and is accepted as affording the maximum security in windows.



BAYLEY SUPER-BARS

For Medium Detention

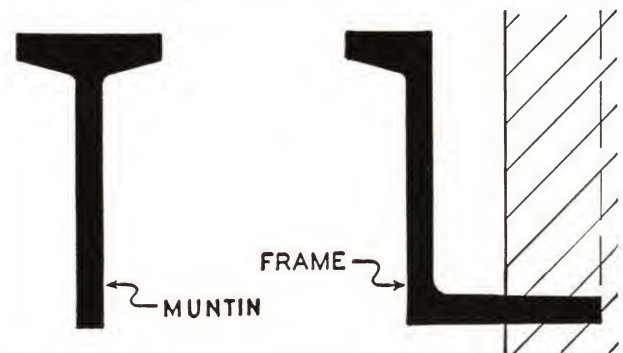
Bayley Super-Bars $1\frac{3}{4}$ " deep of structural grade steel also meet many normal maximum security requirements even though they are not tool resisting. When built into the guard they are interlocked mechanically at intersections and welded.



BAYLEY INTER-BARS

For Moderate Detention

Bayley's Inter- (Intermediate) Bars $1\frac{1}{2}$ " deep are of structural grade steel. They parallel the Super-Bar construction in fabrication and welding. Recommended for use where economy is essential and only for moderate security where supervision is always rigid.



COMMON TO ALL THESE WINDOWS

double contact steel casement sections except that the sill member is a low carbon cold formed section.

Ventilator Supporting Frames provide a continuous retention for a contact fill where frames make metal to metal contact with the guard portion.

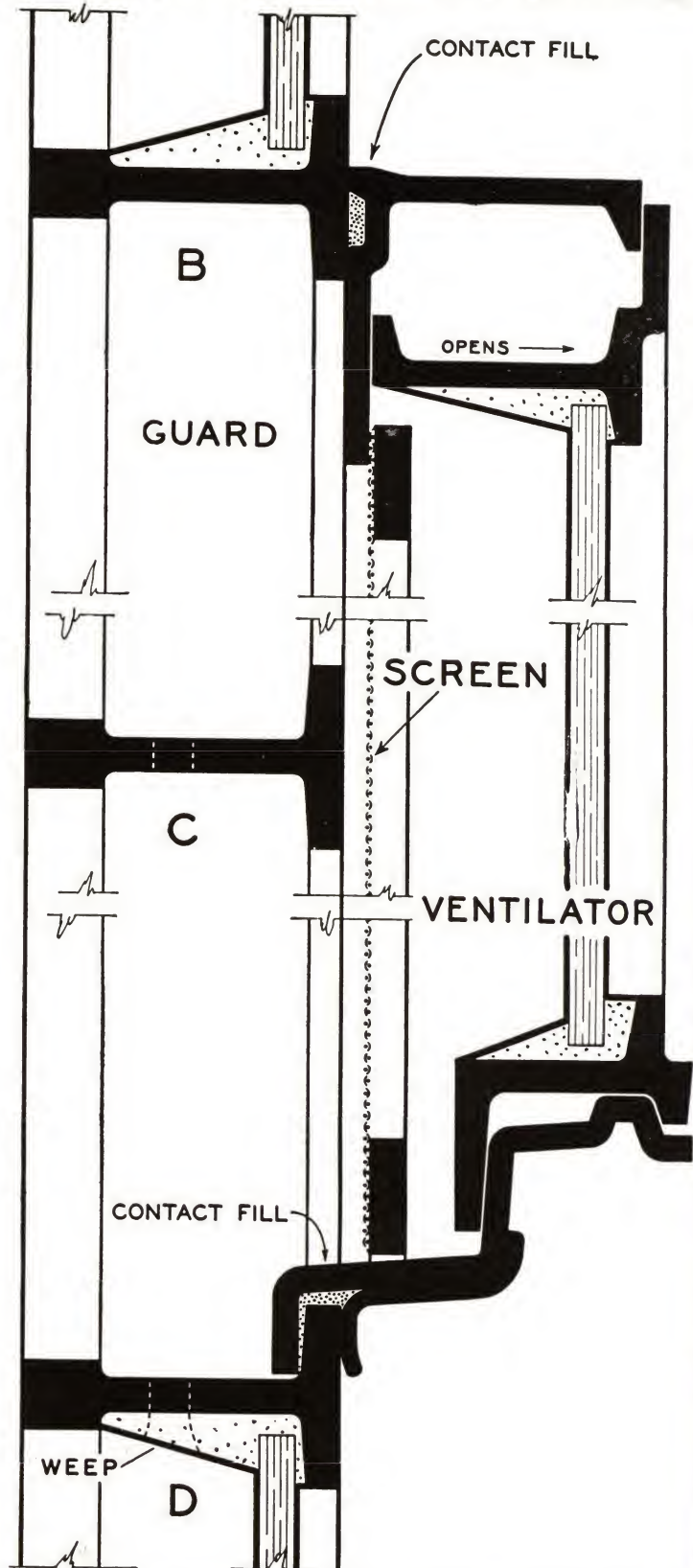
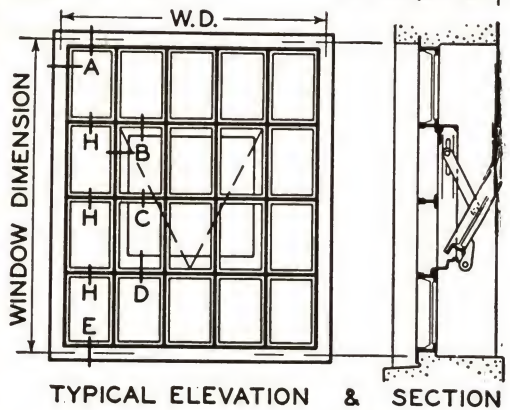
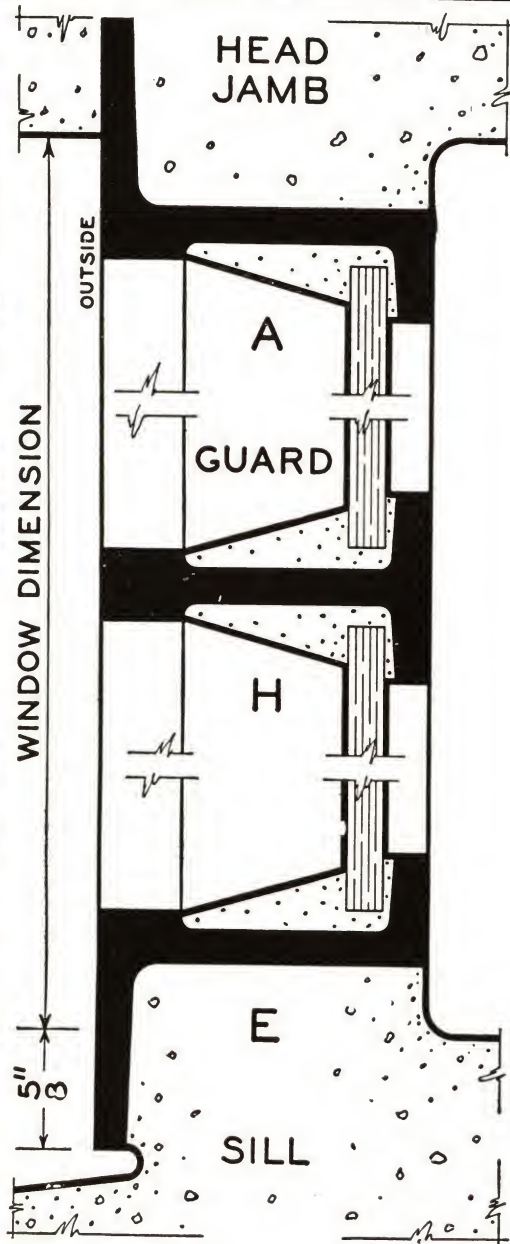
Ventilators Are Hinged at the bottom to swing in at the top. This construction best meets all detention requirements. Protected ventilators can be furnished if specified.

Screens Are Furnished as an integral part of the

window. They are made in the Bayley shops. This results in single responsibility. Screens are located on the inside face of the guard between ventilator and guard.

Hardware Is Extra Heavy and departs from the sizes and weights of that commonly used. It has been specially designed and developed by Bayley engineers to withstand severe prison use. All hardware is made exclusively in Bayley shops.

Complete specifications and details will be sent on request.



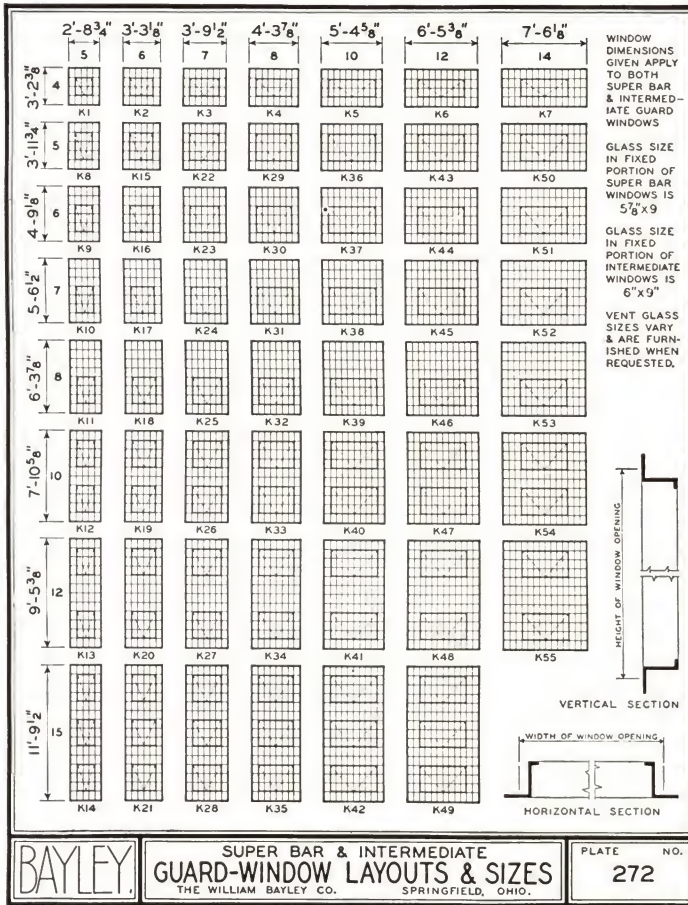
SUPER BAR GUARD-WINDOW

THE WILLIAM BAYLEY CO.

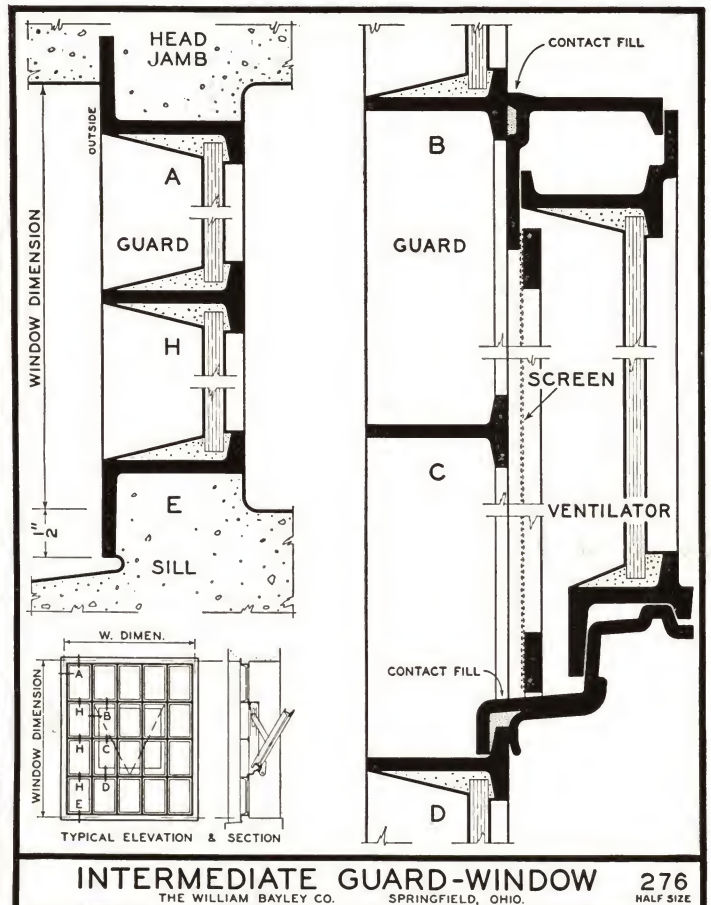
SPRINGFIELD, OHIO.

275
FULL SIZE

For Layouts See Plate 272 on Opposite Page

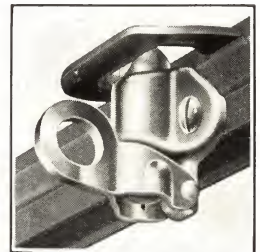


Prefix "K" indicates Intermediate Bar Guards.
Prefix "G" (Instead of "K") indicates Super-Bar Guards.
Prefix "Y" (Instead of "K") indicates Super-Safe-Bar Guards.

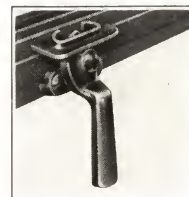


BAYLEY VENTILATORS AND HARDWARE

Ventilator and its frame fabricated as a unit with provision for later attachment to the grille in the field has the following advantages: (1) Grilles may be shipped in advance of ventilators. (2) Grilles may be bricked in or placed in concrete forms. (3) Ventilators are attached as the building is being finished, thus protecting contacts, hardware and finish. (4) Ventilators have hardware attached in the shop before shipment. (5) Ventilators may be glazed and painted separately on trestles on the job under more favorable conditions. Large scale operations already completed have proven the soundness of this Bayley plan of guard window construction.



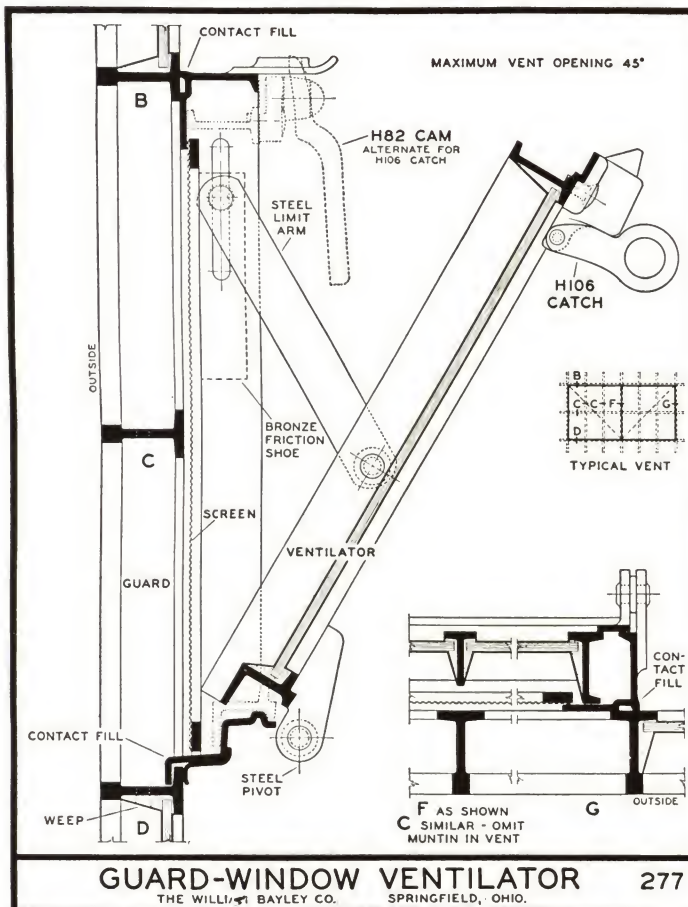
Spring Catch H 106



Cam H 82



Hinge Welded to Frame



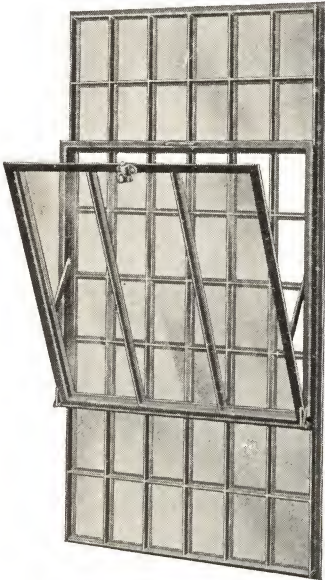
When it is vital to protect valuable contents against entrance, as in banks, fur and silk storages, bonded warehouses, precious metal shops, etc., Bayley recommends that designers select and specify windows of the great strength and weight of this "Detention" group. The super-bar guard window is a minimum recommendation for such protection. See photo at right.



BAYLEY

PROTECTION WINDOWS Screened

'PROTECTION' WINDOWS



Protection Window. Ventilator inside. Screen between ventilator and grille

These Protection Windows and the Security Windows shown at bottom of this page, employ the guard window principle of grille and ventilator. Sections are $1\frac{1}{2}$ " deep. They are designed for protection against forced entrance when the ventilator is in either the open or closed position. Their use discourages those who unlawfully seek to enter retail stores, warehouses, factories, tool rooms and offices, especially through the windows on alley, rear or dark elevations of such buildings.

Grille of Protection Windows consists of Muntins which are continuous from head to sill and from jamb to jamb with intersections made as in Bayley Pivoted Windows. Grille is glazed except where ventilators occur. Glass size in grille is 6×9 ". Opening dimensions and window dimensions are identical. For sizes see plate 272, page 17.

Ventilator is superimposed on, and welded to the grille. They are bottom hinged to swing in at top and have arms which limit the degree of opening. They may be hand or mechanically operated.

Ventilators are glazed and are listed by the number of open grille spaces they cover. They do not have muntins except when covering ten or more spaces in grille, then muntins are vertical only, occur directly in line with grille muntins, and are so located that the glass divisions of the ventilator are symmetrical.

Protection Windows are Putty Glazed INSIDE as standard, but may be Putty Glazed OUTSIDE. Glazing angles may be applied, but are unnecessary and are not recommended except when windows carry the Underwriters' label.

Underwriters' labeled Protection Windows may have the grille either Putty Glazed OUTSIDE or Angle Glazed INSIDE; vent must be Angle Glazed INSIDE.

Screens by BAYLEY are furnished when required. They are especially designed for this product, are of solid sections, butt welded at corners, hot dip galvanized, and covered with heavy bronze wire cloth. When grille is glazed inside, screens are placed between vent and grille.

The windows shown on this page exceed the usual trade offering for protection. However, for maximum safety of valuable contents against forced entrance as in banks, bonded warehouses, fur and silk storages, and precious metal shops, BAYLEY recommends that designers select and specify windows of greater strength and weight from the "Detention" group. (Pages 14 to 16.)

'SECURITY' WINDOWS

These are made in large quantities to standard sizes and carried in stock for prompt shipment, therefore in proportion to size and weight, they are relatively inexpensive.

The grille, of sections $1\frac{1}{2}$ " deep, with Bayley exclusive interlocked joints, assures better protection from outside entrance than grilles of less depth and less effective jointing. Glass size in the grille is always $5\text{-}13\frac{1}{16} \times 18$ ". Ventilators are superimposed, hinged at bottom to swing in. Glass sizes in ventilators are shown on plate 270 at right.

Screens especially designed by BAYLEY for this product, are of solid sections, butt welded at corners, hot dip galvanized, and covered with heavy bronze wire cloth. They drop into position between the grille and the ventilator — an exclusive Bayley feature.

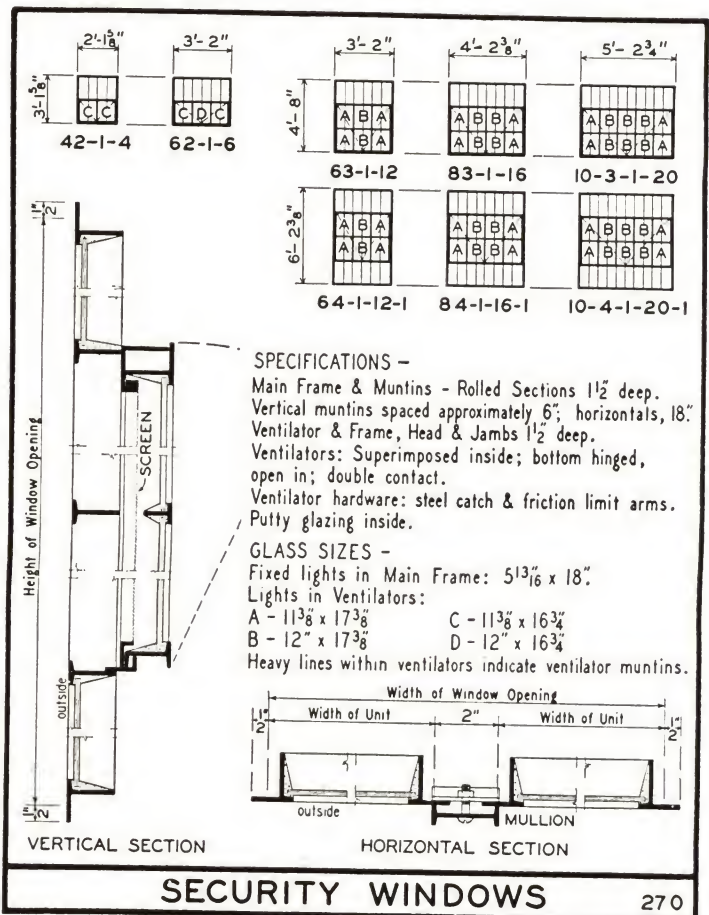
This window gives more light and ventilation than the former wood window and separate guard. It improves appearance, and since it is built as one unit it is easily cleaned and painted.



Security Window. Ventilator inside. Screen between ventilator and grille



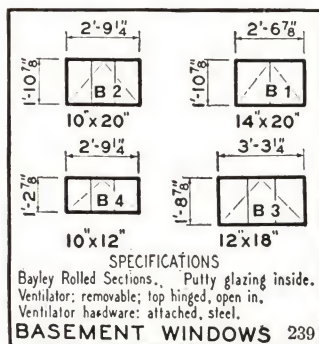
Typical ground floor alley installation of stock Security Windows. Ventilators are hinged in-swinging, — no projections outside of building line. Removable screen is in place between ventilator and grille.



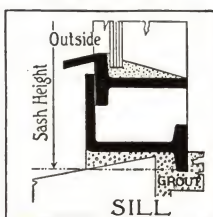
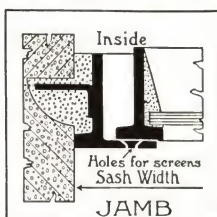
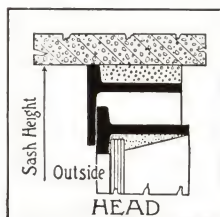
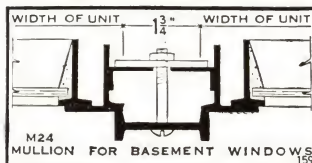
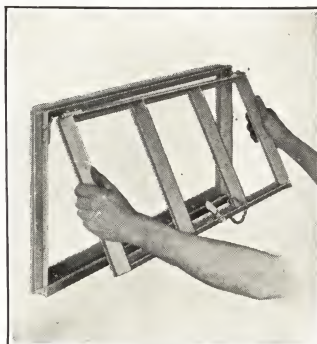
SECURITY WINDOWS

270

BAYLEY BASEMENT WINDOWS



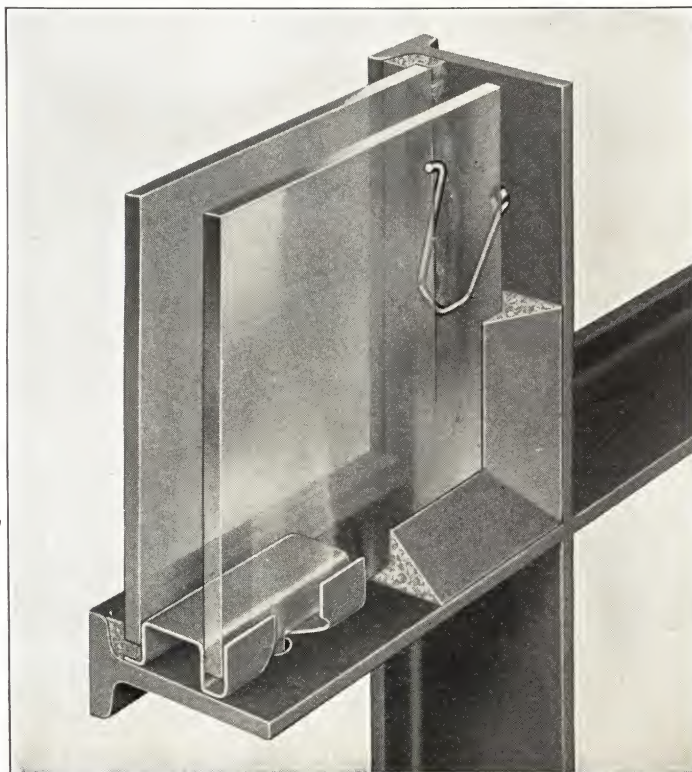
For residential purposes. In stock of steel. Wrought iron on special orders. Sections $1\frac{1}{2}$ " make these units especially rigid. Ventilators are top pivoted to swing in. Pivot construction permits easy removal of ventilator for glazing. Bayley screens may be furnished. Mullions M-24, for vertical attachment of more than one unit in an opening.



BAYLEY DOUBLE GLAZING

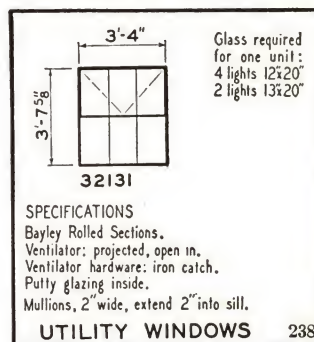
Double glazing the Bayley way is an exclusive feature, essential where constant temperature and humidity is desired. It also saves fuel. Double glazing in each glass space is accomplished with copper separators 2" long, which provides $\frac{3}{8}$ " or $\frac{1}{2}$ " space between the two lights. Bed putty is applied for outside seal, outside light inserted followed by glazing spring and double glazing separators, inside light is held in place by separators. Face putty is applied for finish and inside seal.

Bayley Windows carry enormous areas of double glazing where constant humidity and temperature is desired. This exclusive Bayley construction pays for itself by reducing heating costs.



BAYLEY UTILITY WINDOWS

Are companion products to pivoted and projected windows. In stock of steel. Wrought iron on special order. Ventilators project in at top with a minimum of inside interference. Sections $1\frac{1}{2}$ " and $1\frac{7}{8}$ " deep. Iron catch hardware standard. Used on lot lines or where outside projections are objectionable, specially adapted to garages. This product may be screened with Bayley screens.

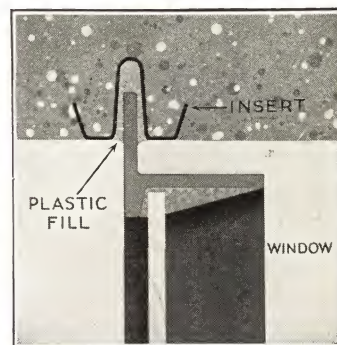


BAYLEY STEEL WINDOW INSERTS

for buildings of concrete construction and finish, or of concrete frame faced with brick.

Inserts are of galvanized rust resisting Armco ingot iron providing recesses in jambs and heads of openings for steel windows. They nail to the forms. Recesses are filled with natural colored mastic. Requires no additional caulking.

Window erection at any temperature, glazing follows immediately. General construction speeded up.



UNDERWRITER'S LABELED WINDOWS

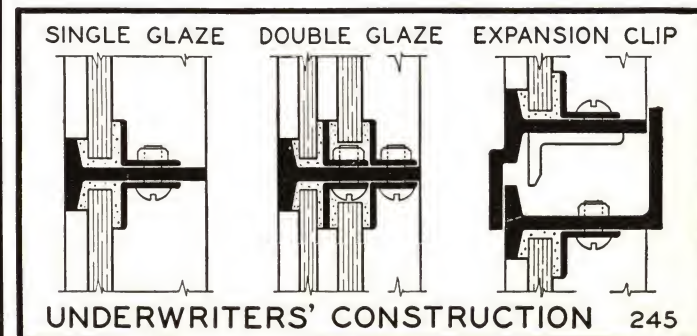


include those with horizontal pivoted ventilators at the center and at the top (Page 3), Pivoted Windows Screened (Page 8), Projected Windows Commercial (Page 10), Projected Windows Architectural (Page 12), Protection and Security Windows (Page 18). Sections and details duplicate those of these standard windows with the following exceptions.

Glass is held in place by glazing angles, and ventilators are equipped at heads and sills with expansion clips. Window units are limited to 7 feet x 12 feet. Width and height may be either dimension. Glass size is limited to 350 square inches. Larger openings are made up of several units connected together by approved T mullions. Mullions have special anchors at heads and sills. Window openings are not limited to any width. Hardware may be either lockbar, spring catch and chain, or cam H 15 and chain. Double glazing may be had in these windows and provides two lights in each glass space, held in place by 2 sets of glazing angles. It is essential that ample bed putty be used to insure a water-tight job. Underwriter's label is placed on inside face of glazing angle located at lower edge of fixed light near center and sill of unit.



Fusible Link Chain Set A



BAYLEY

INDUSTRIAL STEEL DOORS



Industrial
hinged door
and frame

Fully meet the requirement for a steel door of intermediate grade to serve where neat appearance, durability, and economy are essential, as in service entrances of all types of buildings, in retail stores and shops, and in office, warehouse and light manufacturing buildings. They are particularly suitable for water purification and sewage disposal plants, gymnasiums, armories and the non-detention portion of penal institutions.

Extensive manufacturing equipment of latest design, and quantity production make it possible to offer this product of uniformity and quality at low cost. Stock sizes are shown on opposite page. Designs to meet individual conditions are available.

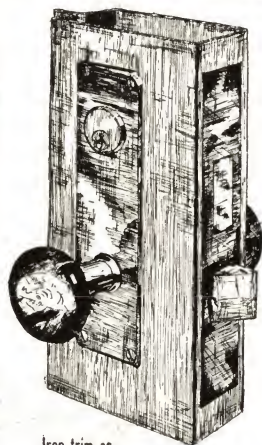
STILES AND RAILS are 5" wide, formed of 14 gauge steel. Corners are mitered, reinforced, welded solid and ground smooth. Where hinges occur, stiles have internal reinforcement. **PANELS** are stretcher-leveled steel plate panels throughout.

HARDWARE — a wide selection is offered to meet all conditions. Standards are shown below. Doors and frames are prepared for the hardware furnished by Bayley.

HARDWARE for SWING Doors — Bayley standard includes 5" x 5" heavy steel, half surface, template hinges No. 135D, three per leaf; top and bottom bolts for standing leaf of double doors. Other hardware available — five kinds of mortise locks with knobs, surface latch and hasps (without padlock), 5" x 5" ball bearing template hinges in steel or bronze, hook back (all illustrated below), door checks, and panic hardware.

HARDWARE for SLIDE Doors — Bayley standard includes track with wall brackets (ceiling brackets if required) and four-wheel roller-bearing adjustable-hanger trolleys, hasp and staple (without padlock), handles, floor guides and stops. Latch of steel is offered at low extra cost; cylinder lock at additional cost. Mortise extension bolts with hasps may be used (padlocks not included). Slide Doors and Hardware are designed to be placed on inside of wall; specify when on outside of wall and proper hardware will be furnished.

FRAMES for SWING Doors are 14 gauge steel channels with rebate and stop. Jamb extend 1" below finished floor line providing $\frac{3}{8}$ " clearance between door and floor for threshold (this $\frac{3}{8}$ " clearance can be reduced if desired by setting the frames further into the floor). Threshold is not included. Frames are shipped knocked down and have double spreader bars designed to set beneath top of finished floor. Masonry anchors with vertical adjustment are provided for 24" spacing at jambs. Slide Door framing is not included.



Y89 LATCH

Iron trim as listed. Add (b) to mark to indicate bronze trim.

- Y120 LOCK with cylinder and thumb turn.
- Y121 LOCK with two cylinders.
- Y122 LOCK with cylinder and push buttons.
- Y130 LATCH without cylinders or deadbolt.
- Y140 LOCK with bit key (not illustrated).



73D HANDLE

Y91 TOP BOLT



43D WALL BRACKET



16D TROLLEY



BALL BEARING HINGES
142D-STEEL
141D-BRONZE



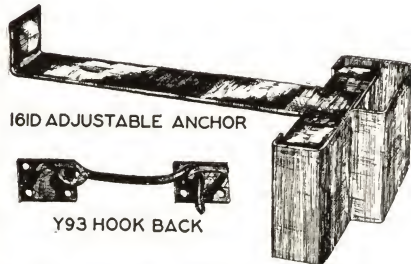
135D STEEL HINGE



Y92 BOTTOM BOLT



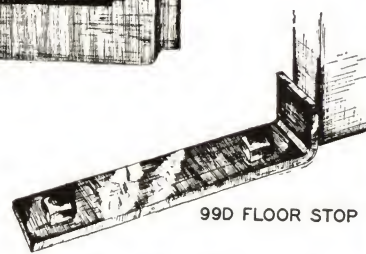
47D CEILING BRACKET



161D ADJUSTABLE ANCHOR



Y93 HOOK BACK

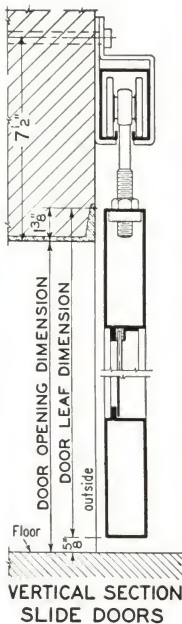
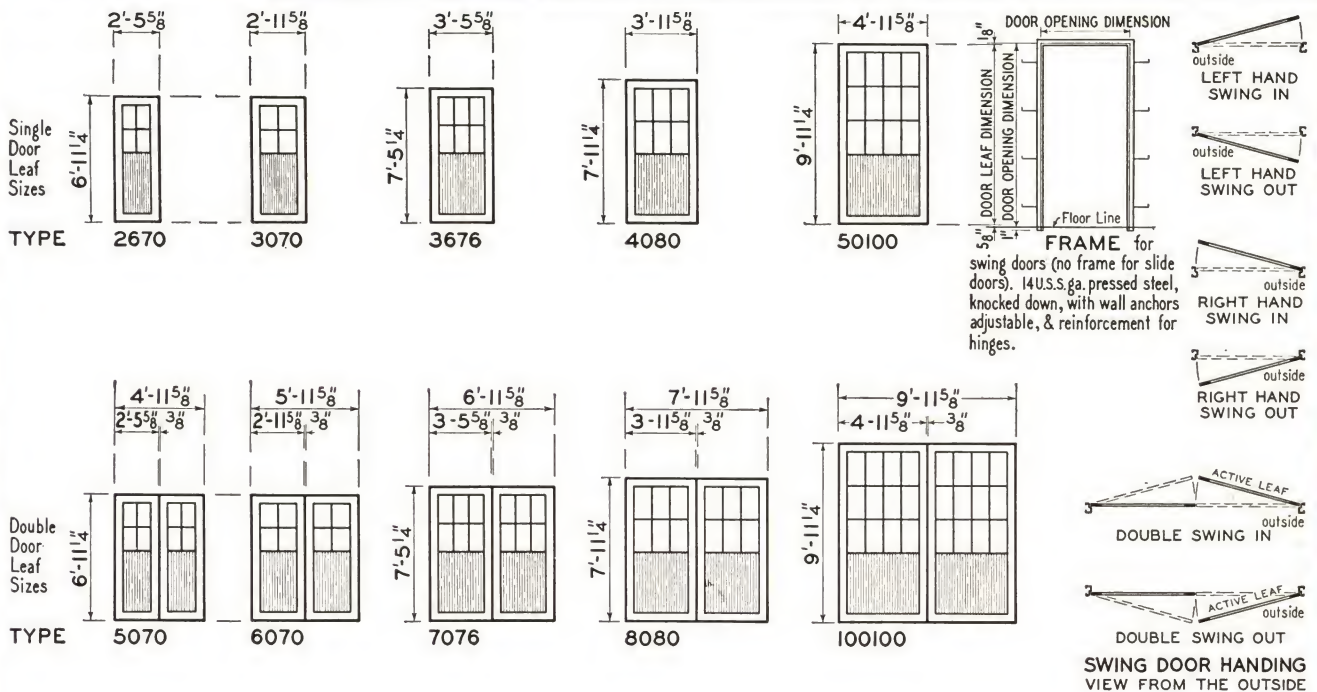


99D FLOOR STOP

HARDWARE FOR INDUSTRIAL STEEL DOORS
THE WILLIAM BAYLEY CO.

SPRINGFIELD, OHIO.

218



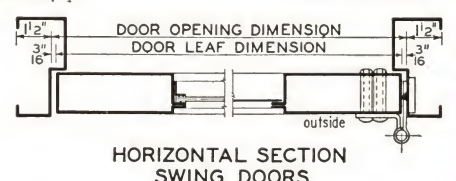
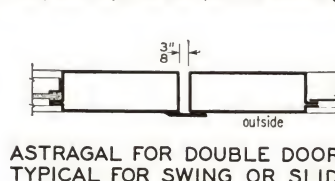
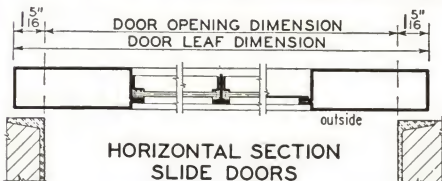
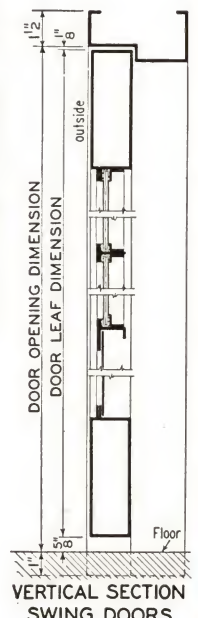
SIZES - SWING & SLIDE DOORS										
DOOR TYPE		SWING & SLIDE LEAF SIZES		SWING DOOR DOOR OPENING SIZES		SWING DOOR *MASONRY OPENINGS		SLIDE DOOR DOOR OPENING SIZES		GLASS SIZES
		Width	Height	Width	Height	Width	Height	Width	Height	
Single Doors	2670	2'-5 ⁵ / ₈ "	6'-11 ¹ / ₄ "	2'-6"	7'-0"	2'-9"	7'-1 ¹ / ₂ "	2'-3"	6'-10 ¹ / ₂ "	9 ¹ / ₂ " x 16"
	3070	2'-11 ⁵ / ₈ "	6'-11 ¹ / ₄ "	3'-0"	7'-0"	3'-3"	7'-1 ¹ / ₂ "	2'-9"	6'-10 ¹ / ₂ "	12 ¹ / ₂ " x 16"
	3676	3'-5 ⁵ / ₈ "	7'-5 ¹ / ₄ "	3'-6"	7'-6"	3'-9"	7'-7 ¹ / ₂ "	3'-3"	7'-4 ¹ / ₂ "	10 ¹ / ₄ " x 19"
	4080	3'-11 ⁵ / ₈ "	7'-11 ¹ / ₄ "	4'-0"	8'-0"	4'-3"	8'-1 ¹ / ₂ "	3'-9"	7'-10 ¹ / ₂ "	12 ¹ / ₄ " x 22"
	50100	4'-11 ⁵ / ₈ "	9'-11 ¹ / ₄ "	5'-0"	10'-0"	5'-3"	10'-1 ¹ / ₂ "	4'-9"	9'-10 ¹ / ₂ "	12 ¹ / ₈ " x 22 ¹ / ₂ "
Double Doors	5070	2'-5 ⁵ / ₈ "	6'-11 ¹ / ₄ "	5'-0"	7'-0"	5'-3"	7'-1 ¹ / ₂ "	4'-9"	6'-10 ¹ / ₂ "	9 ¹ / ₂ " x 16"
	6070	2'-11 ⁵ / ₈ "	6'-11 ¹ / ₄ "	6'-0"	7'-0"	6'-3"	7'-1 ¹ / ₂ "	5'-9"	6'-10 ¹ / ₂ "	12 ¹ / ₂ " x 16"
	7076	3'-5 ⁵ / ₈ "	7'-5 ¹ / ₄ "	7'-0"	7'-6"	7'-3"	7'-7 ¹ / ₂ "	6'-9"	7'-4 ¹ / ₂ "	10 ¹ / ₄ " x 19"
	8080	3'-11 ⁵ / ₈ "	7'-11 ¹ / ₄ "	8'-0"	8'-0"	8'-3"	8'-1 ¹ / ₂ "	7'-9"	7'-10 ¹ / ₂ "	12 ¹ / ₄ " x 22"
	100100	4'-11 ⁵ / ₈ "	9'-11 ¹ / ₄ "	10'-0"	10'-0"	10'-3"	10'-1 ¹ / ₂ "	9'-9"	9'-10 ¹ / ₂ "	12 ¹ / ₈ " x 22 ¹ / ₂ "

*MASONRY OPENING SIZES BASED ON USE OF BAYLEY STANDARD PRESSED STEEL DOOR FRAMES.

SPECIFICATIONS: Elevations are viewed from outside.
 Swing doors: specify hand and swing (see diagrams above).
 Slide doors: singles - specify "slide right" or "slide left";
 all double slide doors slide apart.
 Tube: 14x5x14 U.S.S. pressed steel. Corners mitered, internally reinforced, welded and ground.
 Upper panel: inside, angle glazed. Glass and putty not included.
 Lower panel: 18 U.S.S. gauge steel, welded in.
 Upper and lower panels: steel (no glass) - same price, factory shipment.
 Paint: one standard protective coat.
 Hardware included

Swing doors: three hinges per leaf; and top and bottom bolts for inactive leaf of double doors.
 Slide doors: complete track equipment, hasp and staple (without padlock), handles, guides, and stops.

EXTRAS for SWING DOORS	
CYLINDER LOCK - Iron Handles.....*	
- Bronze Handles.....*	
LEVER LATCH (without padlock).....*	
BIT KEY LOCK (leaf limit 32 sq. ft.) -	
- Steel Plated Trim.....*	
- Bronze Trim.....*	
HOOK BACK & RING..... per leaf	
*ONE REQUIRED PER DOOR OPENING	

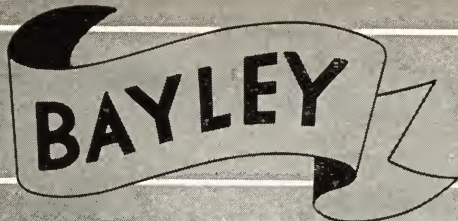


BAYLEY

LAYOUTS, SIZES, SECTIONS & DETAILS
INDUSTRIAL DOORS
 THE WILLIAM BAYLEY CO. SPRINGFIELD, OHIO.

PLATE NO.
219
 SCALE 1/2"=1'-0"

Stock sizes are shown on the above plate.



TUBULAR STEEL DOORS



**Tubular Steel
Hinged Door and Frame**

Are made to withstand the constant abuse incident to commercial and industrial installations, and combine strength and performance with good appearance. They are made to swing, slide, fold, and lift, with hardware of the most substantial kind designed for permanent, trouble-free service. Bayley pioneered the tubular door idea as applied to standardized manufacture, and continues to lead in design and workmanship.

STILES AND RAILS are welded steel tubes, generally $2\frac{1}{2} \times 1\frac{1}{2} \times 5/32$ ". Larger tubes or structural shapes are employed for doors of unusual size or design. **PANELS** (steel below, muntins and beads for glass above) have $1\frac{1}{2}$ " deep channels which straddle and are rigidly welded to stiles and rails. This exclusive feature provides a neat appearance on both sides of door. Doors may have steel panels thruout.

HARDWARE for **SWING** doors includes steel hinges, and the mortise extension bolts for the inactive leaf of double doors. **MORTISE LOCKS AND LATCHES** especially designed and manufactured by BAYLEY of non-corrosive metals are reliable for heavy duty. **Y2 LOCK** has handles and cylinders both sides, and has latch bolt 2" high and $\frac{7}{8}$ " thick which is deadlocked by key only. **CYLINDERS** made for Bayley are standard; masterkeying extra. Cylinders may be omitted from either side, or thumb turn may be substituted for key. **LATCH Y11** is identical in construction to Lock Y2 when cylinders are omitted. **SURFACE LATCH Y14** of steel offered at lower cost. **PANIC DEVICES** with handle or bar release are furnished in several combinations.

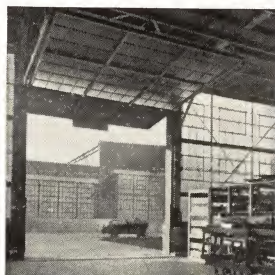
HARDWARE for **SLIDE** doors includes complete track equipment, hasp and staple (without padlock), handles, floor guides, and stops. Slide doors and hardware are designed to be placed inside of wall; when placed outside, mention must be made so that proper hardware may be furnished. **LOCK Y17** is similar in materials and construction to Lock Y2 for swing doors. **LATCH Y13** of steel offered at lower cost. **HASP BOLT Y71** for single, and **Y72** for double doors may be used. Padlocks not included.

FRAMES for swing doors are structural channels fitted in shop. Slide Door framing not included. Tubular Doors and Frames with grilles and side lights of Super Bars, in steel or non-annealable, are used in walls and corridors of prisons. They can be glazed with bullet proof glass or left open. Bakery Proof Room Doors of tubular steel, with hardware of unique design, were originated by BAYLEY and are offered to meet steam and acid conditions. Send for separate catalog on Airplane Hangar Doors.

BAYLEY STEEL DOORS HAND OPERATED OR ELECTRIC CONTROLLED



Railroad Accordion



Large Canopy



Canopy Open and Closed



Overhead



Craneway



Railroad Hinged



Railroad Sliding



Proof Room



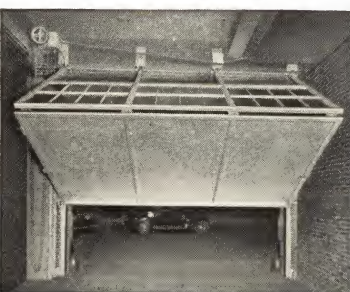
Louvre



Tubular Hangar



Structural Hangar



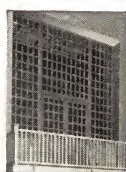
Bifold



Prison and Grille



Fire Station

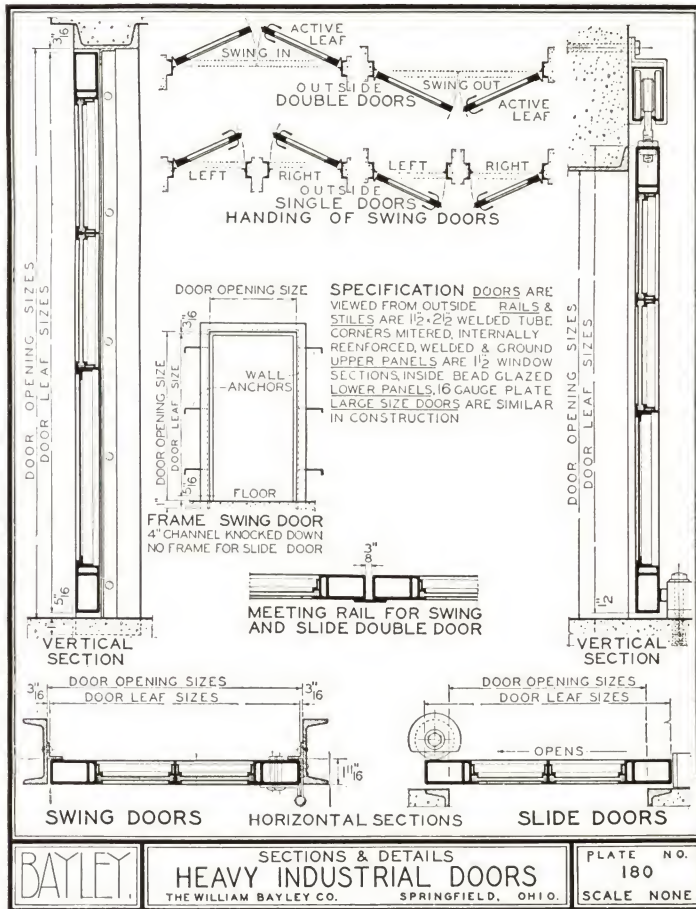


Vertical Lift



Tubular Hangar

BAYLEY TUBULAR STEEL DOORS—DETAILS, LAYOUTS, AND SIZES

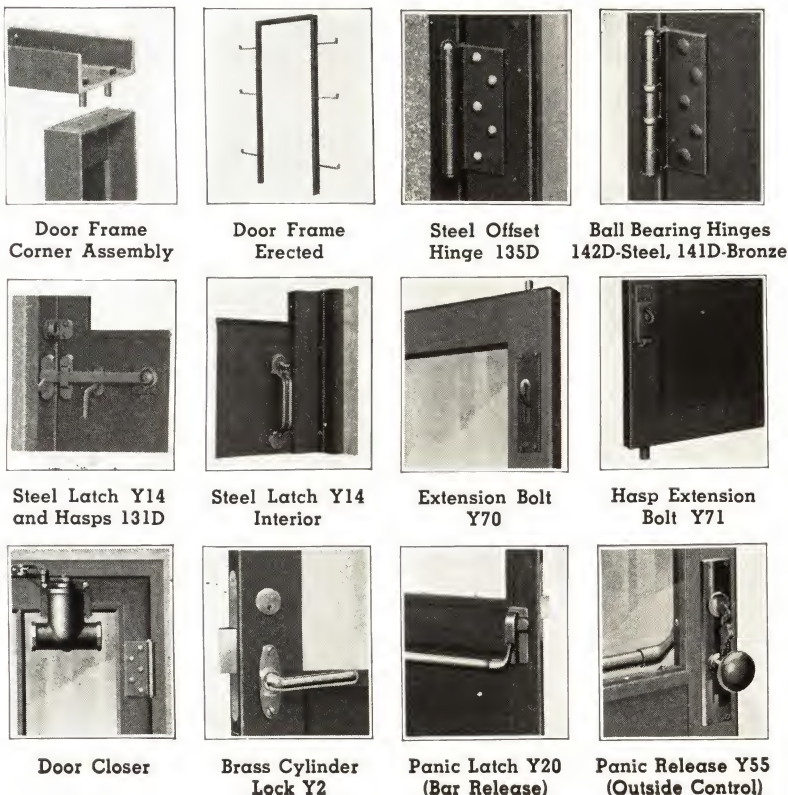


SWING AND SLIDE DOORS										SIZE SCHEDULE		GLASS SIZES	
SINGLE DOORS		DOUBLE DOORS		DOOR LEAF SIZES		DOOR LEAF SIZES		GLASS SIZES					
TYPE	OPENING SIZES	TYPE	OPENING SIZES	WI	HI	WI	HI	WI	HI	WI	HI	WI	HI
2670	2'-6" 7'-0"	5070	5'-0" 7'-0"	2'-3"	6'-10 1/2"	4'-9"	6'-10 1/2"	2'-5 5/8"	6'-11 1/2"	11 5/8"	21 1/8"		
3070	3'-0" 2'-9"	6070	6'-0" 5'-9"	3'-0"	2'-9"	6'-0"	5'-9"	2'-11 5/8"	6'-11 1/2"	14 5/8"	21 1/8"		
3670	3'-6" 3'-3"	7070	7'-0" 6'-9"	3'-6"	3'-3"	7'-0"	6'-9"	3'-5 5/8"	7'-5 1/2"	11 5/8"	24 1/8"		
4070	4'-0" 3'-9"	8070	8'-0" 7'-9"	4'-0"	3'-9"	8'-0"	7'-9"	3'-11 5/8"	7'-5 1/2"	13 5/8"	24 1/8"		
5070	5'-0" 4'-9"	10070	10'-0" 9'-9"	5'-0"	4'-9"	10'-0"	9'-9"	4'-11 5/8"	7'-5 1/2"	13 1/8"	24 1/8"		
2676	2'-6" 7'-6"	5076	5'-0" 7'-6"	2'-3"	7'-4 1/2"	4'-9"	7'-4 1/2"	2'-5 5/8"	7'-5 1/2"	11 5/8"	24 1/8"		
3076	3'-0" 2'-9"	6076	6'-0" 5'-9"	3'-0"	2'-9"	6'-0"	5'-9"	2'-11 5/8"	7'-5 1/2"	14 5/8"	24 1/8"		
3676	3'-6" 3'-3"	7076	7'-0" 6'-9"	3'-6"	3'-3"	7'-0"	6'-9"	3'-5 5/8"	7'-5 1/2"	11 5/8"	24 1/8"		
4076	4'-0" 3'-9"	8076	8'-0" 7'-9"	4'-0"	3'-9"	8'-0"	7'-9"	3'-11 5/8"	7'-5 1/2"	13 5/8"	24 1/8"		
5076	5'-0" 4'-9"	10076	10'-0" 9'-9"	5'-0"	4'-9"	10'-0"	9'-9"	4'-11 5/8"	7'-5 1/2"	13 1/8"	24 1/8"		
2680	2'-6" 8'-0"	5080	5'-0" 8'-0"	2'-3"	7'-10 1/2"	4'-9"	7'-10 1/2"	2'-5 5/8"	7'-11 1/2"	11 5/8"	21 1/8"		
3080	3'-0" 2'-9"	6080	6'-0" 5'-9"	3'-0"	2'-9"	6'-0"	5'-9"	2'-11 5/8"	7'-11 1/2"	14 5/8"	21 1/8"		
3680	3'-6" 3'-3"	7080	7'-0" 6'-9"	3'-6"	3'-3"	7'-0"	6'-9"	3'-5 5/8"	7'-11 1/2"	11 5/8"	21 1/8"		
4080	4'-0" 3'-9"	8080	8'-0" 7'-9"	4'-0"	3'-9"	8'-0"	7'-9"	3'-11 5/8"	7'-11 1/2"	13 5/8"	21 1/8"		
5080	5'-0" 4'-9"	10080	10'-0" 9'-9"	5'-0"	4'-9"	10'-0"	9'-9"	4'-11 5/8"	7'-11 1/2"	13 1/8"	21 1/8"		
26100	2'-6" 10'-0"	50100	5'-0" 10'-0"	2'-3"	9'-10 1/2"	4'-9"	9'-10 1/2"	2'-5 5/8"	9'-11 1/2"	11 5/8"	22"		
30100	3'-0" 2'-9"	60100	6'-0" 5'-9"	3'-0"	2'-9"	6'-0"	5'-9"	2'-11 5/8"	9'-11 1/2"	14 5/8"	22"		
36100	3'-6" 3'-3"	70100	7'-0" 6'-9"	3'-6"	3'-3"	7'-0"	6'-9"	3'-5 5/8"	9'-11 1/2"	11 5/8"	22"		
40100	4'-0" 3'-9"	80100	8'-0" 7'-9"	4'-0"	3'-9"	8'-0"	7'-9"	3'-11 5/8"	9'-11 1/2"	13 5/8"	22"		
50100	5'-0" 4'-9"	100100	10'-0" 9'-9"	5'-0"	4'-9"	10'-0"	9'-9"	4'-11 5/8"	9'-11 1/2"	13 1/8"	22"		

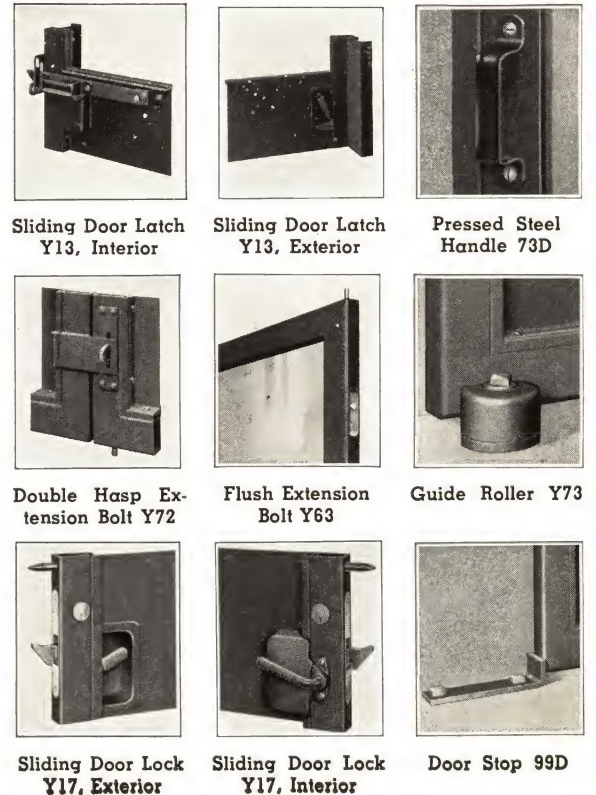
BAYLEY **LAYOUTS & SIZES** **HEAVY INDUSTRIAL DOORS** **THE WILLIAM BAYLEY CO. SPRINGFIELD, OHIO.** **PLATE NO. 179** **SCALE NONE**

BAYLEY TUBULAR STEEL DOOR HARDWARE

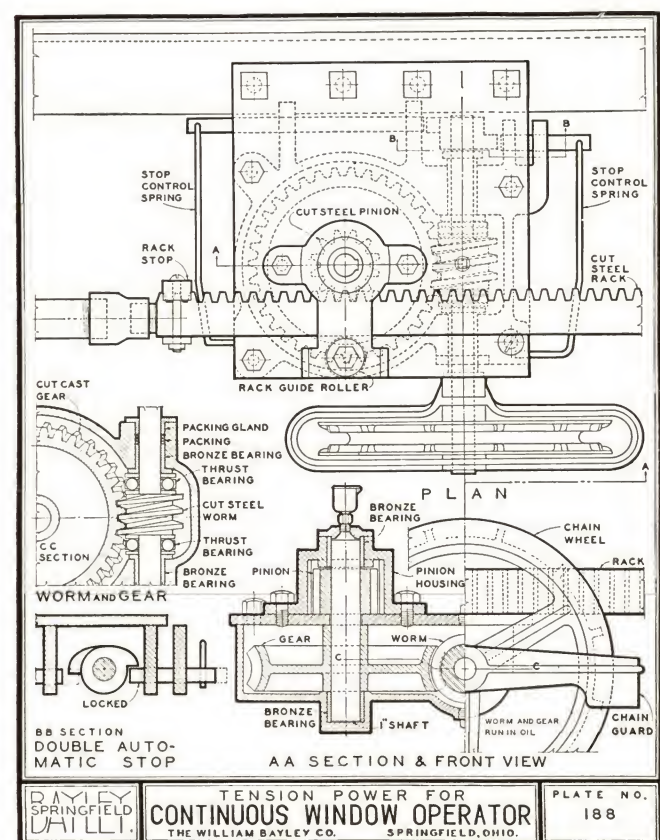
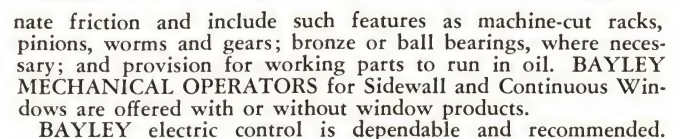
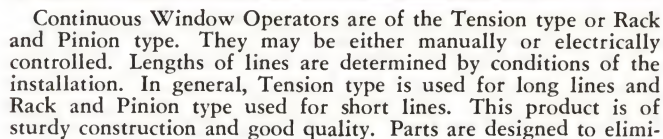
FOR HINGED DOORS



FOR SLIDING DOORS



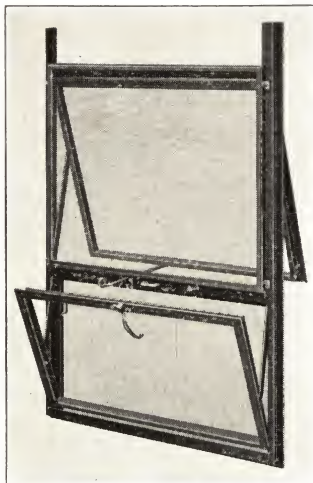
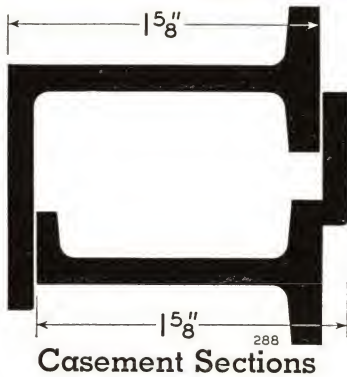
BAYLEY TOP HINGED STORM PANEL OMITTED
CONTINUOUS WINDOWS
 THE WILLIAM BAYLEY CO SPRINGFIELD OHIO PLATE NO 183





CASEMENTS—SERIES 30

For Residential, Office and Monumental Buildings



Projected Out Ventilator.
Screen Inside Through
screen operator H87

Projected In Ventilator. Screen Outside
Handle H 81

The Series 30 section as developed by Bayley represents unusual features for windows for all types of buildings requiring the finest equipment. As shown in the detail the form of the sections provides flat surface contacts parallel to the glass with the resulting advantages of smooth, tight operation, improved appearance and minimum air leakage.

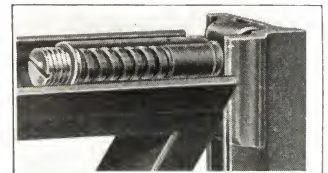
The Series 30 sections are formed into a variety of window types to meet practically any conditions or requirements of a particular building. Standard types are shown below; Bayley engineers will be glad to work with architects to design special windows when required. (Continued on next page)

BAYLEY CASEMENTS PROJECTED—Screened—Series 30

Ventilators to move out and down, and in and up, are a recent development for domestic uses. These movements insure unusual service and weathering, especially for casements of Series 30 sections and in combination with the Bayley developed adjustable friction arms and shoes. Series 30 steel contact sections 1 5/8" deep, meet all the conditions of casements of this kind. Corners are welded and ground as in other windows of this group.

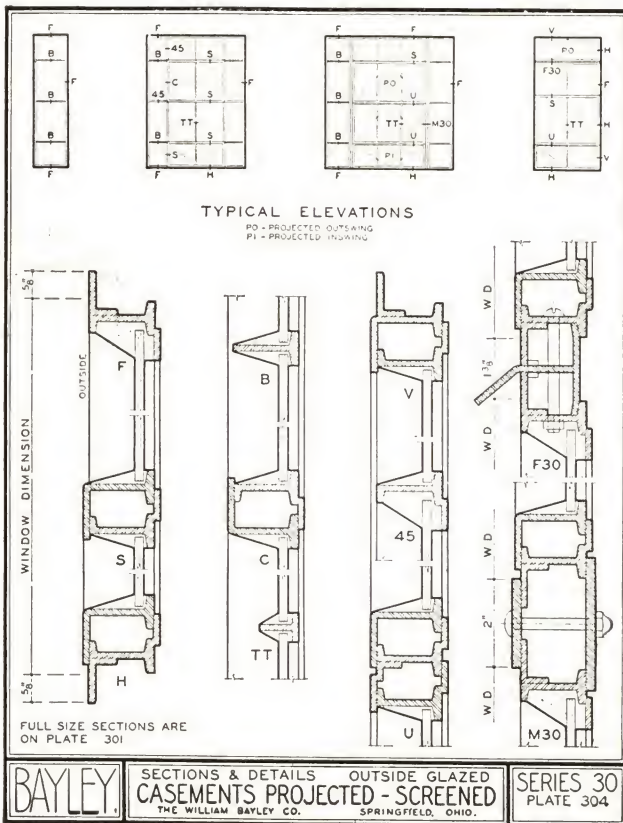
Supporting arms are heavy and arranged to hold casements firmly. The sliding friction pivot shoes are of bronze machined and are adjustable. They top the list in casement hardware.

Projected out ventilators have screens inside and bronze through-screen operator H87. Projected in ventilators have screens outside and bronze handle H81.



Sliding Friction Pivot

welded to projected "out" and "in" ventilators. Constant friction is maintained by heavy helical spring and machined adjusting screw. Working parts protected against paint and dirt.



1'-6"	1'-6"	4'-0"	4'-0"
2-0	2-0	4-6	4-6
2-6	2-6	5-0	5-0
3-0	3-0	5-6	5-6
3-6	3-6	6-0	6-0
4-0	4-0	6-6	6-6
4-6	4-6	7-0	7-0
1'-0"	1'-6"	4'-0"	4'-0"
1-6	2-0	2-6	3-0
3-0	3-6	4-0	4-6
4-0	4-6	5-0	5-6
5-0	5-6	6-0	6-6
6-0	6-6	7-0	
7-0			
8-0			
9-0			
10-0			
11-0			
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SHOP PRACTICE includes the use of only carefully selected materials, most accurate machining and fitting, and corners of units of ventilators and of openings for ventilators butt welded and surface ground. Finish is one coat of gray paint.

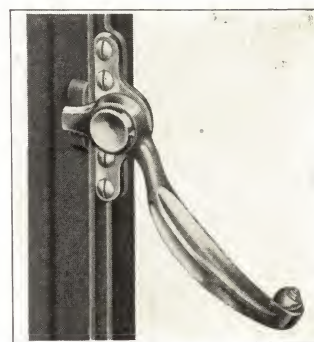
HARDWARE includes extended hinges of steel to provide arm room for outside washing. They are welded to casements and have solid bronze collar pivots. Under-screen casement operator is of the rotary type with bronze operating handle and bronze locking handle, in statuary bronze finish. Bronze friction adjuster of the concealed type, and lever handles are standard where screens are not required. For inswing see illustrations. Standard hardware is solid bronze.

SCREENS of Bayley manufacture are long life and rigid. Frames of steel or bronze.

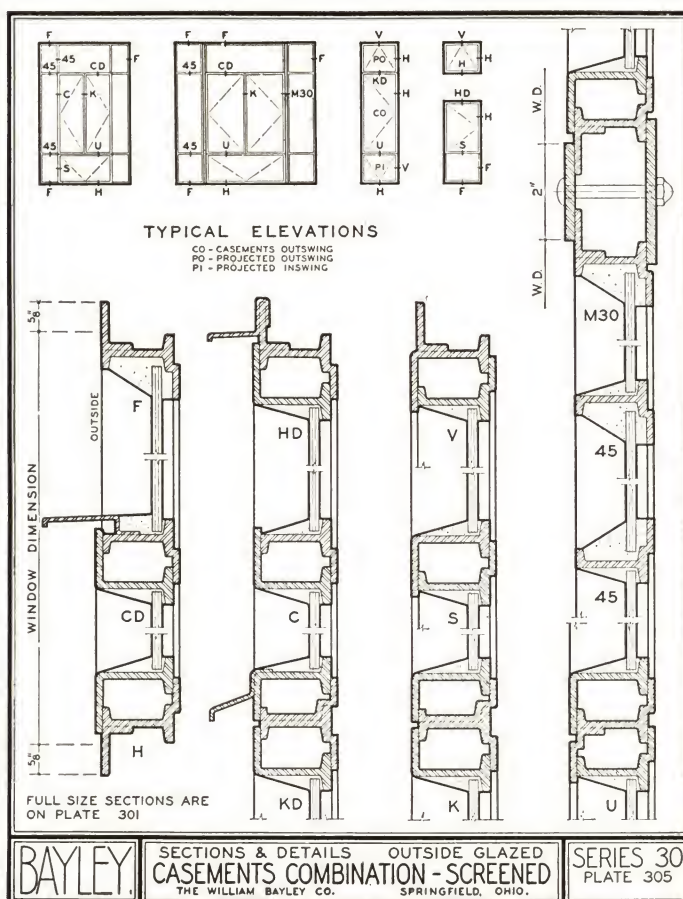
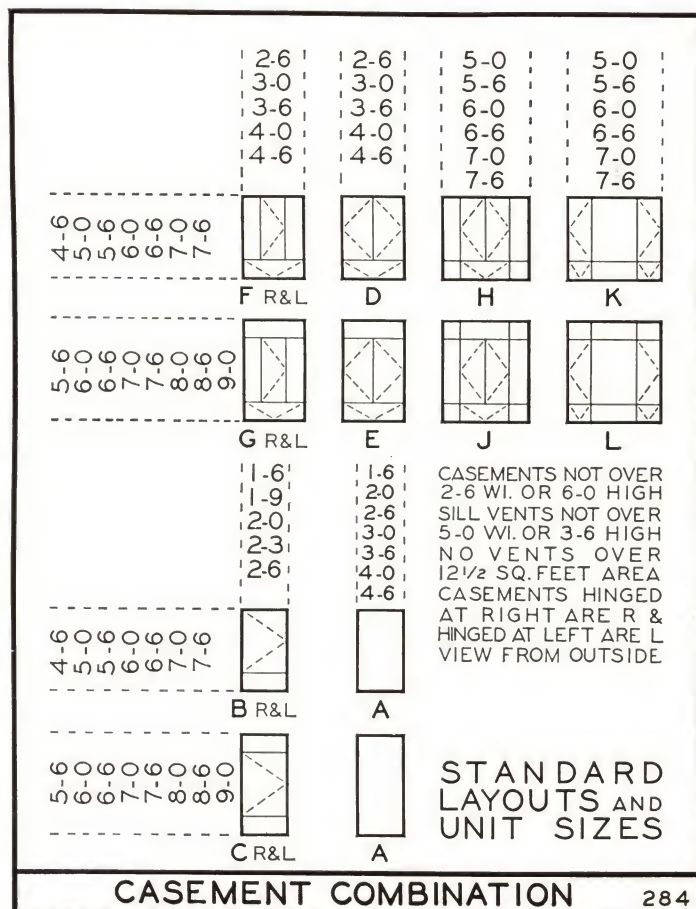
Incorporated in this steel window is a sill line inswinging horizontal casement similar to that of Sir Christopher. The vertical casements, however, swing out. The fixed portions also offer drapery spaces.

Hardware for the outswinging parts is through the sill and screens for these openings are on the inside. In construction and material these screens duplicate those of Sir Christopher, are Bayley made and an integral part of the window.

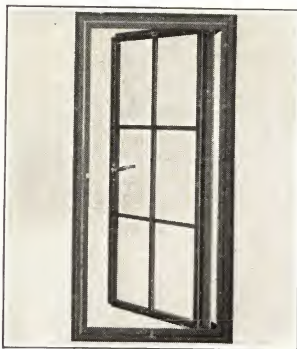
For those not desiring the complete inswing, but whose requirements fall within limited layouts, this window is recommended above all other casement windows.



Bronze Handle H70



BAYLEY CASEMENTS—OUTSWING Screened—Series 30



Casement Outswing



Geared Underscreen
Operator H115

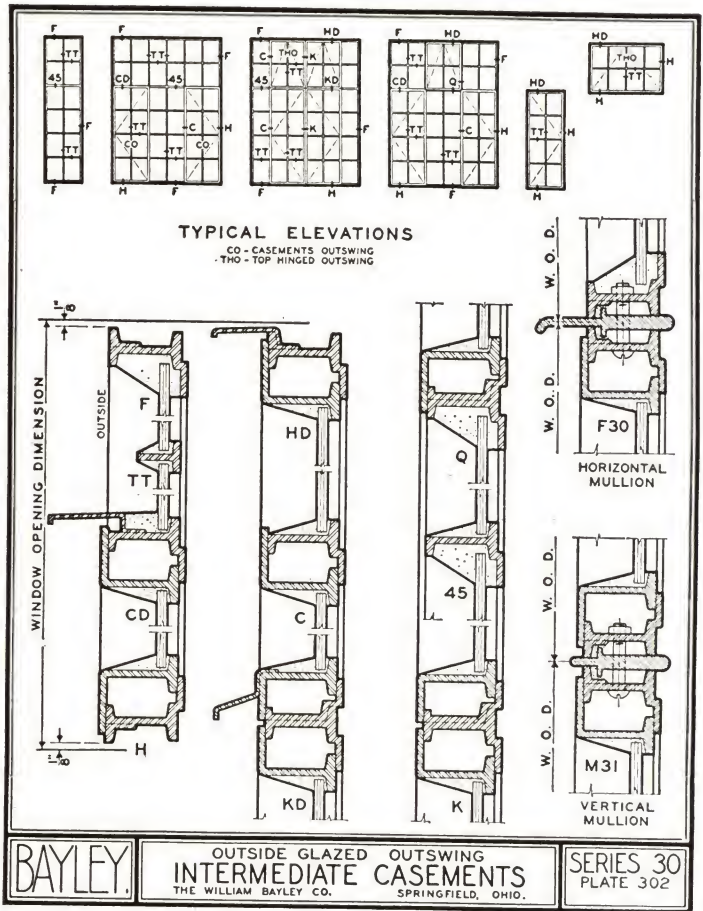
Very early workers in metal casements blazed the trail for these single or double outswinging ventilators, sometimes combined with casement transoms.

Standards and listed special layouts are extensive in sizes and numbers. Available in steel and bronze and aluminum.

Ventilators like in all Series 30 products are rigid with sections shaped to insure good permanent contacts. Their $1\frac{5}{8}$ " depth is fabricated the Bayley way with mitered corners of casements and the corners of ventilator openings butt welded and ground flush on contact and outside faces. Welding converts each of these frames into continuous perimeters. The flat, parallel-to-glass contacts, assures good weather protection even though the casement may become sagged a trifle through rough handling before or after installation.

Hardware is through-the-sill stays for opening, holding, and closing and hinges are extended kinds. This extended hinge provides arm room for outside washing from the inside.

Screens flat and on the inside are removable and can be replaced with a panel of glass for insulation against outside temperatures and where air conditioning is employed.



BAYLEY OUTSIDE GLAZED OUTSWING
INTERMEDIATE CASEMENTS
THE WILLIAM BAYLEY CO. SPRINGFIELD, OHIO.
SERIES 30
PLATE 302

1-13 12 1212 1-78 22 2214 2214 TH 3-14 13 1313 23 2316 2314 4-08 14 1414 24 2418 2416 5-0 15 1515 25 25110 2518 5-118 2618 26110 2618 6-104 1-28 CH2 1-22 21 27110	3-28 42 4224 4214 VC 4218 TH 4224 TH 4326 4316 VC 4324 4428 4418 VC 4416 VC 4426 45210 45110 VC 4518 VC 4528 4628 46210 46110 VC 4618 VC 4628 47210 47210 47110 VC	4-92 6224 6224 VC 6218 THVC 6224 TH 6326 6326 VC 6324 VC 6324 6428 6428 VC 6426 VC 6426 65210 65210 VC 6528 VC 6528 66210 66210 VC 6628 VC 6628 67210 67210 VC	1-78 3-28 11 1111 12 1212 2222 1-18 141 1414 13 1313 2323 14 1414 2424
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SPANISH TYPES
SIZES SHOWN ARE WINDOW OPENING DIMENSIONS...
■ STOCK ITEMS.
BASIC GLASS SIZE IS 8x11".
R. CASEMENTS HINGE RIGHT.
L. OPPOSITE.
VIEW FROM OUTSIDE

STOCK AND STANDARDS
6628 VG2T4
67210 VC-2T4
CH4
CH6
41
61

INTERMEDIATE CASEMENT OUTSWING

SERIES 30

29

DISTRICT OFFICES

THE WILLIAM BAYLEY COMPANY

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Greenville, S. C.—W. Lindsay Smith
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Hammond, Ind.—W. J. Holliday & Co.
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Knoxville, Tenn.—Chandler & Co.
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Moline, Ill.—Moline Consumers Co.
Nashville, Tenn.—Builders Specialty Co.
Newark, N. J.—Igoe Brothers, Inc.
New Orleans, La.—J. T. Mann & Co. Inc.
New York, N. Y.—Seaboard Steel Products Corp.
Oklahoma City, Okla.—Town-Sco Equip.

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Wichita, Kans.—Chester L. Anderson Co.
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THE WILLIAM BAYLEY COMPANY

SPRINGFIELD • OHIO